2022

PRODUCT CATALOG

Manufacturers of industrial doors.

KAVIDOORS



At Kavidoors we are specialists in the field of insulation and refrigerated doors. We manufacture **industrial doors, refrigerators, hospitals and fire doors**. Our headquarters are in Spain, but, thanks to our network of installers and distributors, we are present worldwide in more than 30 countries in Europe, Africa and America.

KAVIDOORS is synonymous with cutting edge, design and innovation. We are the leading company in **quality door solutions for the food industry**, logistics and health. We help the client not only in the design and the product that best suits us, but also in **solving their problems**.



CONTENTS

REFRIGERATED DOORS

- Tecnik refrigerated sliding door ____ 6
- Industrial refrigerated sliding door ____ 9
- Refrigerated sliding fire door ____ 12
- Controlled atmosphere sliding door ____ 14
- Refrigerated sliding door automation ____ 16
- Refrigerated guillotine door ____ 18
- Tecnik refrigerated pivot door ____ 20
- Industrial refrigerated pivot door ____ 23
- Industrial refrigerated pivot double door ____ 26
- Pivot refrigerated fire door ____ 28

INTERIOR DOORS

- PVC slat curtain ____ 32
- Isothermal slat curtain ____ 33
- PVC swing door ____ 34
- Service pivot door ____ 36
- Tecnik sliding service door ____ 38
- Industrial sliding service door ____ 40

TECHNICAL DOORS

- Acoustic door ____ 44
- Injection swing door ____ 45
- Polyethylene swing door ____ 47
- Isothermal flexible swing door ____ 49

HOSPITAL DOORS

- Operating room hermetic sliding door ____ 52
- X-ray pivot door ____ 54
- Clean room pivot door ____ 56
- Viewing window ____ 58
- X-ray window ____ 59

FIRE DOORS

- Pivot fire door ____ 62
- Sliding fire door ____ 64
- Guillotine fire door ____ 66
- Sectional fire door ____ 68
- Fire curtain ____ 70
- Fire shutter ____ 72

HIGH SPEED DOORS

- High speed roller door ____ 76
- Self-repairing high-speed roller door ____ 78
- High speed T+0 °C -20 °C refrigerated door ____ 81
- High-speed canvas refrigerated double door ____ 84
- High speed clean room roller door ____ 86
- High speed horizontal roller door ____ 88
- High speed stacking door ____ 90
- High speed spiral door ____ 92

LOADING DOCKS

- Insulated slat roller shutter ____ 96
- Sectional door ____ 98
- Retractable dock shelter ____ 100
- Inflatable dock shelter ____ 103
- Standard hydraulic ramp ____ 106
- Smart-Dock ____ 109
- Telescoping ramp ____ 112
- Vertical ramp ____ 115
- Mini ramp ____ 118
- Truck restraint ____ 120
- Loading dock accessories ____ 122

ACCESSORIES

- Air curtains ____ 130
- Industrial protection ____ 134
- Hospital protection ____ 142
- PVC cladding slats ____ 144
- Mounting accessories ____ 148



01 REFRIGERATED DOORS

- Tecnik refrigerated sliding door ____ 6
- Industrial refrigerated sliding door ____ 9
- Refrigerated sliding fire door ____ 12
- Controlled atmosphere sliding door ____ 14
- Refrigerated sliding door automation ____ 16
- Refrigerated guillotine door ____ 18
- Tecnik refrigerated pivot door ____ 20
- Industrial refrigerated pivot door ____ 23
- Industrial refrigerated pivot double door ____ 26
- Pivot refrigerated fire door ____ 28

Tecnik refrigerated sliding door



Kavidoors refrigerated sliding doors are specially designed for **negative temperature controlled environments**: laboratories, restaurants, meat industry, fishing industry ... for use in **cold rooms from (+0 °C) to (-20 °C). CE marking**.

The refrigerated sliding door has an **anti-fall-anti-tip safety system patented by Kavidoors** outstanding.

Frame

Self-supporting refrigerated frame built with **L-shaped extruded aluminum profiles** treated in 20 micron anodized polished silver, with white lacquer option.

This profile has a **double thermal break bridge** and **trim** that **adjust to any thickness** in panel sections.

Panel

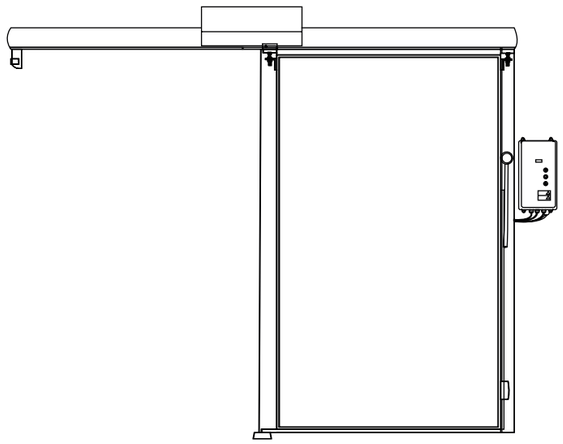
Superimposed on the frame. Composed of an anodized aluminum inner frame. **PIR foam core**, nominal density 40-45kg/m3. The panel has a **double flexible EPDM gasket** that ensures a **perfect seal**.

Maximum beam width	2,5 m
Maximum passage height	2,8 m

Temperature	+0 °C	-20 °C
Panel thickness	80 mm	100 mm

Options

- Guide Covers.
- Automation.
- Upper guide start.
- Hood system for overhead rail passage.
- ISO sight glass for chiller doors.
- White lacquer frame.
- Manual/automatic key lock.
- Stainless steel/checkerboard guard.
- Pull handle.



Guide

The panel is clamped and slides through the **two-bearing carriage** system. It also has **the anti-fall-anti-tip safety system of the panel thanks to its double guide patented by Kavidoors,** thus complying with the CE marking, which establishes the minimum requirements related to the safety of the product regarding the prevention of occupational risks of accidents.

Lower guide formed by an aluminum guide profile on the panel, guide runner on the ground and pressure skid.

It has an **upper guide** formed by an aluminum profile with a polyethylene tread with a **double dip of 45°**.

In freezing areas, forklift passage embedded in the ground with accommodation for the 50w/ml resistance.

The **hygienically designed aluminum track** cover **makes cleaning and maintenance easy**.

Coatings

Wide range of coatings to guarantee **maximum durability, even in the most extreme environments**: lacquer steel (color band), AISI 304/2B stainless steel, PVC, PRFV, PET...

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Fittings

Inner and outer handle with phosphorescent inner base.

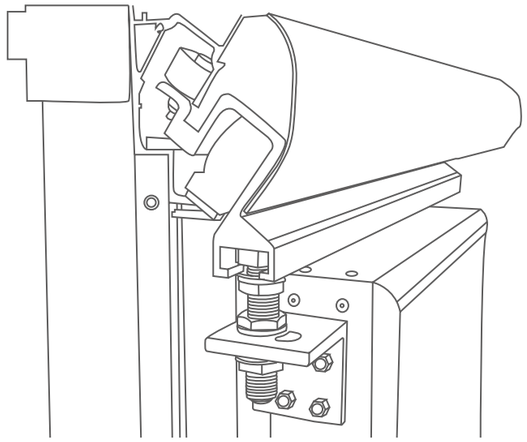




Anti-fall-anti-tip safety system

At Kavidoors we have patented an exceptional anti-fall-anti-tip safety system for sliding doors on the market. This prevents the door from collapsing despite receiving a great impact, thus protecting users from accidents due to its fall.

This system consists of a **double safety guide** that allows the opening and closing of sliding elements. It is capable of **supporting large structural loads**, providing closure security by having technical characteristics and a design adequate, which prevents it from being easily disassembled or released while moving or stationary.





Industrial refrigerated sliding door



Kavidoors refrigerated sliding doors are specially designed for use in **refrigerated spaces for chiller (+0 ºC), freezer (-20 ºC) rooms and freezer tunnels (-40 ºC)**. Ideal for negative temperature controlled environments such as laboratories, restaurants, meat industry or fishing industry, among others. It is recommended for installation in **cold rooms and access areas requiring large doors or overhead passages. CE marking**.

The refrigerated sliding door has an **anti-fall-anti-tip safety system patented by Kavidoors** outstanding.

Frame

Self-supporting refrigerated frame built with **L-shaped extruded aluminum profiles** treated in 20 micron anodized polished silver, with white lacquer option.

This profile has a **double thermal break bridge** and **aluminum** trim **that adjust to any thickness** in panel chambers.

Panel

Superimposed on the frame. Composed of an anodized aluminum inner frame. **PIR foam core**, nominal density 40-45 kg/m^3. The panel has a **double flexible EPDM gasket** that ensures a **perfect seal**. White lacquer trim with stainless steel finish.

Maximum beam width	4 m
Maximum passage height	6 m
Maximum total area	12 m^2

Temperature	+0 ºC	-20 ºC	-40 ºC
Panel thickness	100 mm	120 mm	140 mm

Easy assembly
Quick, easy installation and easy maintenance. Pre-assembled door.

Door
Light and revolving door.

Adjustable
Precision adjustment with 4 points.

Auxiliary structure
Does not require auxiliary structure.

Fire
Excellent performance against fire with PIR foam.

Mechanical elements
Strong and durable mechanical elements.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Frame
Self-supporting frame customizable to any thickness.

Food industry
Suitable for contact with food.

PIR insulation
10% additional insulation with PIR foam.

Options

- Custom panels.
- Automation.
- Choice of frame model.
- Hood system for overhead rail passage.
- Door designed entirely out of stainless steel.
- Industrial refrigerated sliding double door.
- Anodized trim.
- Pull handle.
- White lacquer frame.
- Double pane ISO-sight glass for chiller doors (+0 ºC).
- Lock for manual or automatic door.

Guide

Guide on self-supporting refrigeration frame. The panel is clamped and **slides in one piece** through the **bearing carriage system**. It also has the anti-fall-anti-tip safety **system of the panel thanks to its double guide patented by Kavidoors**, thus complying with the CE marking, which establishes the minimum requirements related to the safety of the product regarding the prevention of occupational risks of accidents.

Lower guide formed by an aluminum guide profile on the panel, guide runner on the ground and pressure skid for the panel with the frame.

It has an **upper guide** formed by an aluminum profile with a polyethylene tread with a **double dip of 45º**.

Forklift passage embedded in the ground with housing for resistance.

The **hygienically designed aluminum track** cover **makes cleaning and maintenance easy.**

Fittings

Maneta interior y exterior con base interior fosforescente.



Anti-fall-anti-tip safety system

This system consists of a **double safety guide** that allows the opening and closing of sliding elements. It is capable of **supporting large structural loads**, providing closure security by having technical characteristics and a design adequate „ which prevents it from being easily disassembled or released while moving or stationary.





Coatings

Wide range of coatings to guarantee **maximum durability, even in the most extreme environments**: lacquer steel (color band), AISI 304/2B stainless steel, PVC, PRFV, PET...

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Industrial refrigerated sliding double door

Kavidoors refrigerated sliding double door are specially designed for negative temperature controlled environments **for use in cold storage chambers 0 ºC), of freezing (-20 ºC) and freezing tunnels (-40 ºC)**.

The refrigerated sliding double door also has an exceptional **anti-fall-anti-tip safety system** patented by Kavidoors.



Easy assembly
Quick and easy installation with low maintenance. Pre-assembled door.

Flexibility
Customizable to any thickness and frame.

Adjustable
Precision adjustment with 4 points. PE bearings.

Auxiliary structure
Does not require auxiliary structure.

Installation guide
Convenient access to the guide during installation, adjustment or repair.

Mechanical elements
Strong and durable mechanical elements.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Frame
Self-supporting frame customizable to any thickness.

Food industry
Suitable for contact with food.

Airtightness
High level of airtightness and durability.

Refrigerated sliding fire door



The **Kavidoors sliding fire door,** model Ei2-60, has been manufactured basically with stainless steel, both the structural elements of the leaf, frame and hardware, managing to withstand the tests to which they have been submitted for approval.

The pivoting firebreak refrigeration door can be manufactured for storage (+ 0ºC) and freezing (-20ºC / -40ºC) chambers. It has passed the fire resistance test according to Ei2-60 regulation.**High level of tightness**, thanks to **Quad-Core** insulation and gasket intumescent installed on the perimeter of the door.

Frame

It does not require structure. Self-supporting.

Security systems

Automatic closing in case of fire; **intumescent joints** with expansion of up to 20 times its thickness **to prevent the passage of fire and seal the room** completely.

MFZ automation consisting of a gearmotor with a reversible system, a speed variator connected to the fire alarm center.

Panel

Finished in white band sheet or stainless. **High flexibility** gasket for achieve a **perfect tightness.**

Quad-Core thermal insulation protects 20% more than PIR foam. Help the conservation of the environment by **reducing smoke emissions** in a fire and being **free of CFC, HCFC and HFC**.

Maximum beam width	4 m
Maximum passage height	5 m

Temperature	+0 ºC	-20 ºC	-40 ºC
Panel thickness	170 mm	170 mm	170 mm

Options

- Manual or automatic.
- Without door closers.
- Stainless finish.

Guide

Blade slides through **hangers upper** provided in a **guide-rail.** The Nylon bearings **prevent dirt and wear from sticking**.

Anti-fall-anti-tip safety system patented by Kavidoors that prevents the door from collapsing.

Coatings

Wide range of coatings to guarantee **maximum durability, even in the most aggressive environments**: Lacquered steel (bandacolor), AISI 304 / 2B stainless steel.



Fittings

Automatic opening and closing. In case of fire the automation is closed by the fire alarm signal. Guide and closure system adapted to **withstand high temperatures**.

Special firebreak labyrinth for doors with fall. Specific fastening elements of the leaf to the frame.

QuadCore Insulating Core

23%

More efficient than a panel insulating with PIR type core.

28%

More efficient than a panel insulating with PUR type core.

More than double

Insulation than a rock wool core panel.





Applus laboratories

Test standard: UNE EN 1634-1:2006 +A1:2018.

Classification: UNE EN 13501-2:2019

Controlled atmosphere sliding door



Kavidoors controlled atmosphere sliding doors are specially designed for **chiller rooms, fruit and vegetable ripening, controlled atmosphere applications and storage at very low levels of oxygen [Ultra Low Oxygen]**. CE marking and UNE-EN 13241-1 certification.

Frame

Built with L-shaped extruded **aluminum profiles**. This profile has a **double thermal break bridge** and injected with polyurethane foam to ensure **airtightness**.

In case of being fixed in brickwork, the frames will have metallic claws for an ideal grip.

Panel

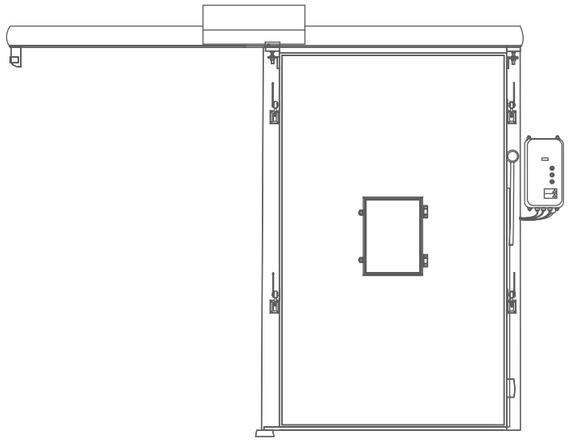
120 mm **panel**. Superimposed on the frame, on which it exerts pressure. Composed of an anodized aluminum inner frame. **Sealing of all the joints** between the elements.

Window to check the process of chilling and ripening of food.

Maximum beam width	3 m
Maximum passage height	4 m

Options

- Window pressure flywheels with key.
- Anodized aluminum guide cover.



Guide

Guides in stainless steel and anodized aluminum. It also has **the anti-fall-anti-tip safety system of the panel thanks to its double guide patented by Kavidoors**, thus complying with the CE marking, which establishes the minimum requirements related to the safety of the product regarding the prevention of occupational risks of accidents.

Forklift passage embedded in the ground.

Check window

- Airtight closure through pressure flywheels.
- Injected profile for sealing all the joints between the different elements. Adjustable pressure.
- Glass ClimalitR 6/20/6.





Fittings

Four unbalance levers guarantee **airtightness**.

Stainless steel handles that facilitate **manual opening of the door with little effort**. The base plate of the inner lever is phosphorescent.

Coatings

Wide range of coatings to **guarantee maximum durability, even in the most extreme environments:** 25 u white lacquer steel, stainless steel 304, Food Safe PVC and PET.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Easy assembly
Quick and easy installation with little maintenance. Pre-assembled door.

Great resistance and durability
Corrosion resistance, even in extreme environments depending on the finish.

Storage periods
Guarantees longer storage periods.

Adjustable
Precision adjustment with 4 points.

Mechanical elements
Strong and durable mechanical elements.

Aluminum window
Aluminum window for access and check of the chilling, inspection and set-up process.

Superior airtightness
High airtightness. Comprehensive gas control, without leaks thanks to the foolproof closing of the door.

Customization
Customization to the brickwork. Custom manufacturing.

Sliding refrigerated door **automation**



The Kavidoors refrigerated sliding door automation may be used on **doors of all sizes**, both in chiller **rooms (0 °C)** as well as in freezer **rooms (-20 °C)**.

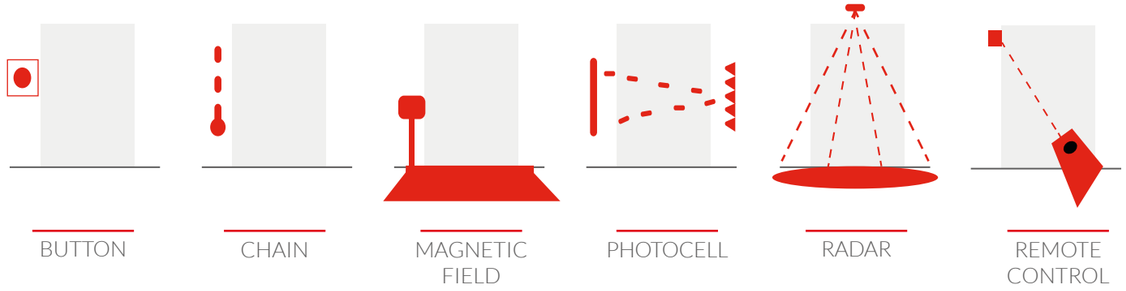
In terms of safety, it complies with the CE Marking and certified according to **UNE-EN 13241-1 and DIN EN 12978**. Ideal for logistics centers, meat industry... Recommended for **rooms with high cargo traffic.**

Control panel

- Reinforced insulation.
- Plastic IP56 protective box for placement in positive temperature (+ 0°).
- Frequency shifter with maximum output power of 0.75 kW.
- 1x230 VAC+PE at 50-60Hz.
- Safety elements according to CE standards: Interior push-button with emergency stop button, transmitter/receiver photocell and safety line. Possibility of manual opening in case of electrical failure.
- Protection with class II equipment.
- Digital control of regulation and position of the door.



Types of openings:





Motor

- Power: 0.55 kW.
- Door opening and closing speed: 0.7 meters per second.
- Practicable stainless steel motor cover.
- Limit switches by encoder.
- Low maintenance.
- Strength and durability in industrial environments.



Design
Its exceptional design has made it a product with optimal functional, climatic, hygienic and sanitary qualities.

Easy opening
Easy manual opening in case of power failure.

Programming
Simple and fast programming as it is provided pre-installed.

Speed
High opening and closing speed.

Refrigerated guillotine door



Kavidoors refrigerated guillotine doors are designed as a **solution for cold rooms from (+0 °C) to (-40 °C)** and access areas where **there is no lateral clearance but there is clear height**.

Frame

Built with **L-shaped extruded aluminum double thermal break bridge** for heating resistance in freezing temperature applications.

The **trim**, white lacquer and with a stainless finish, **adapts to any panel thickness**. Polished silver 20 micron anodized aluminum profiles, with a white lacquer option. Easy cleaning.

Panel

Superimposed on the frame. Composed of an anodized aluminum inner frame.
PIR foam injection, nominal density 40-45 kg/ m^3. The panel has a **double flexible co-extruded EPDM gasket** that ensures a **perfect seal.**

Maximum beam width	4,5 m
Maximum passage height	5,5 m

Temperature	+0 °C	-20 °C	-40 °C
Panel thickness	100 mm	120 mm	140 mm

Options

- Framework.
- 300x300 double sight glass for chiller doors.
- Trim.
- Opening with prestressed springs.
- If there is no other outlet in the chamber, the door must be ordered with an incorporated pivot door, or an additional pivot door must be installed.

Guide

The panel slides along the vertical guides through the **bearing carriage system**.

It also has the anti-fall-anti-tip safety **system of the panel thanks to its double guide patented by Kavidoors**, thus complying with the CE marking, which establishes the minimum requirements related to the safety of the product regarding the prevention of occupational risks of accidents.

Guide cover: built in AISI 304 stainless steel. **Prevents the accumulation of dirt in the guide** and improves the aesthetics of the door.

Lintel

Manufactured with a dip angle, **thus facilitating cleaning and preventing the accumulation of dirt on the cables**.

Lintel cover made of AISI 304/2B stainless steel.



Coatings

Wide range of coatings to guarantee **maximum durability, even in the most extreme environments**: lacquer steel (color band), AISI 304/2B stainless steel, PVC, PRFV...

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Automation

It is supplied **pre-installed**, so it has **easy and fast programming**.

3x400V at 50 Hz power supply.

Motor

Electronic limit switches and chute brake. IP65 motor with chain. 3x400C at 50 Hz power supply. Speed of 20-24 revolutions per minute. 0.45 kW/0.8 kW/1.1 kW power.

Resistance to industrial environments.

Safety system

Safety chute in case of cable breakage and anti-impact photocell barriers with automatic return.



Easy assembly
Quick and easy installation with little maintenance. Pre-assembled door. Adjustable.

Great resistance and durability
Corrosion resistance, even in extreme environments depending on the finish.

Design
Easy-clean hygienic finish.

Food industry
Optimal for the food industry.

Materials
Materials in stainless steel and anodized aluminum.

Mechanical elements
Strong and durable mechanical elements.

Temperature
Suitable for humid areas

Wiring
Hidden wiring.

Guide in installation
Convenient access to the guide during installation, adjustment or repair.

Superior airtightness
High level of airtightness and insulation.

Tecnik refrigerated pivot door



Kavidoors refrigerated pivot doors are specially designed for **negative temperature controlled environments for use in cold storage rooms (+0 ºC) and freezer (-20 ºC) rooms**. Installation in supermarkets, hotels, restaurants, industrial sector...

Different opening options: pulling, pushing or turning the handle.

Frame

Self-supporting refrigerated frame built with **extruded aluminum profiles** with polished silver 20 micron anodized treatment, with white lacquer option.

Telescoping frame with double thermal bridge break. Innovative system of very robust telescopic frame and trim to **perfectly customize the fixing to the panel wall or brick wall** regardless of the length. This profile has **accommodation for the heating resistance** in applications of freezing **temperature** and forklift steps.

Panel

Superimposed on the frame and finished off with anodized aluminum side moldings.

The panel has **co-extruded EPDM gaskets** that ensure a **perfect airtightness.**

Maximum beam width	1,2 m
Maximum passage height	2,2 m

Temperature	+0 ºC	-20 ºC
Panel thickness	60 mm	80 mm

Options

- Lock with key.
- 300 x 300 ISO sight glass for chiller doors.
- Protections on the stainless steel panel/ checkerboard.
- Forklift passage at any height.
- Hood system for overhead rail passage.
- Gate with rolled frame and lever closure.
- Panic bar.
- Rolled framework/ step rung.
- Double panel pivot door.
- Door closer spring.
- 500x500 gates: bright chrome hardware, one-point closure and two vertical hinges.

Coatings

Wide range of coatings to **guarantee maximum durability, even in the most extreme environments**: Lacquer steel (color band), AISI 304/2B stainless steel, PVC, PRFV, PET...

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Fittings

It has an internal handle with PE reinforcements; aluminum one-point closure and 980 hinges with elevation ramp made of composite in gray.







Lock

Optional CAF Formol 5520, 5525 model lock.



Hinge

Hinge made of gray composite. Invisible and inviolable symmetric fixation. Swap right and left.





Industrial refrigerated pivot door



Kavidoors industrial refrigerated pivot doors are intended for use in **chiller rooms (+0 ° C), freezer rooms (-20 ° C) and freezer tunnels (-40 ° C).**

They are ideal for the meat, dairy, fruit and vegetable, fishing and logistics industries. They are suitable for **large spaces or with airs, transit of handlingmachinery and refrigeration machine rooms**.

Frame

Self-supporting refrigerated **frame** built with extruded aluminum profiles with polished silver 20 micron anodized treatment, with a white lacquer option. Provided with **forklift passage**.

Telescoping frame with double thermal bridge break. Innovative system of very robust telescopic frame and trim to **perfectly customize the fixing to the panel wall or brick wall** regardless of the length. This profile has **accommodation for the heating resistance** in applications of freezing **temperature**.

Panel

Superimposed on the frame and finished off with anodized aluminum side moldings.

The panel has **co-extruded EPDM gaskets** that ensure a **perfect airtightness**.

Maximum beam width	1,8 m
Maximum passage height	4 m
Maximum total area	5 m^2

Temperature	+0 °C	-20 °C	-40 °C
Panel thickness	80 mm	100 mm	120 mm

Easy assembly
Quick and easy installation with low maintenance. Pre-installed door.

Great resistance and durability
High durability with intensive use.

Time
Savings in time and money.

Energy efficiency
Energy efficiency and great insulation.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Food industry
Suitable for contact with food.

Customizable
Customization to the demands of the project.

Customization
Customization of the door.

Options

- 300 x 300 ISO sight glass for chiller.
- Protections on the stainless steel panel/ checkerboard.
- Frame for fixing to opening or rolling frame.
- Multipoint closure.
- Electromagnet.
- Raised forklift passage.
- Hood system for overhead rail passage.
- Double panel pivot door.
- Door closer spring.

Fittings

STUV optional lever lock with key, multi-function push and turn opening.



Stainless steel locked person panic safety handle.





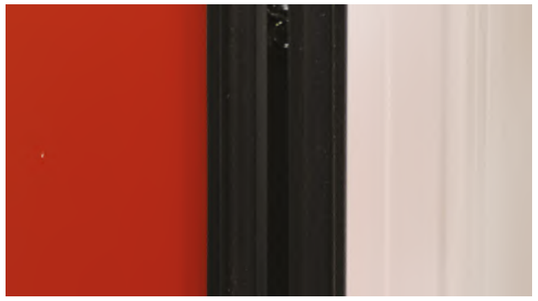
Hinge

STUV Varioflex hinge. Made of gray ZINC material, with a maximum opening angle of 180º and retention position at 120º. It is adjustable in three 3D directions.



Door seal

Perimeter gasket made of flexible EDPM with fixing to the panel by means of a sweep housed in the accommodation profile. Easy to replace.





Easy assembly
Quick and easy installation as it comes pre-installed.

Durability
High durability and resistance to intensive use.

Resistance
Corrosion resistance, even in extreme corrosive environments depending on the finish.

Energy efficiency
Great energy efficiency.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Time
Savings in time and money.

Customizable
Customizable to project requirements.

Hinges
High mechanical resistance hinges.

content

Industrial refrigerated pivot double door



Kavidoors refrigerated pivot double doors are specially designed for negative temperature controlled environments **for use in refrigerated rooms for chiller 0 ºC), freezer (-20 ºC) and freezer tunnels (-40 ºC)**.

Frame

Built with **extruded aluminum profiles with polished silver 20 micron anodized** treatment, with white lacquer option. The thickness of this layer **increases the resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting. The anodized profiles are manufactured through processes certified by the **Qualanod quality seal**.

Telescoping frame with double front thermal bridge break. Innovative telescopic frame and trim system (+/-40 mm) to **perfectly adapt the fixing to a panel wall** or brick wall of 60-100/100-140/104-180-220 mm regardless of the length. This profile has accommodation for the **heating element in freezing** temperature applications.

Panel

Compact superimposed on the frame and finished with anodized aluminum side molding. It is made up of a **silver anodized aluminum** frame and 0.6mm thick structural stainless steel white lacquer finish.

Rigid polyisocyanurate (PIR) foam core, nominal density 40-45 kg/m^3. Its excellent performance against fire and its high **insulating capacity** substantially improve the properties of traditional PUR polyurethane core foams.

This model has **two panels, one active and one passive**. The passive has a bolt running up and down to block it wherein the active fastens to it.

Options

- ISO sight glass.
- Protections on the panel stainless steel aluminum polyethylene.
- Frame for fixing to opening or rolling frame.
- Raised forklift passage or step part.
- Hood system for air passage.
- White lacquer frame.
- Custom gates.
- Spring return hinges.

Maximum beam width	1,8 m
Maximum passage height	4 m
Maximum total area	5 m^2



Fittings

Special STUV EURO 5000 multi-point lock. Made of polyamide PA6 thermoplastic material. **High strength, toughness, rigidity, resistance to wear and abrasion**, with a low coefficient of friction. Ideal for anti-friction parts and mechanical parts subject to high temperatures and that must resist hydrocarbons and solvents. Continuous use temperature without load: -40 °C to 100 °C.

STUV Varioflex hinges made of gray zinc material. **180° maximum opening angle and 120° holding position. Adjustable in 3D**.



Door seal

It has a **double flexible EPDM** perimeter gasket that ensures perfect airtightness and is easy to replace. Fixed to the leaf by means of an arrow housed in the housing profile.



Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

We have a wide range of coatings to guarantee the **maximum durability, even in the most extreme environments**: PET 55§, Granite HDX 55 u, 25 u lacquer steel, 304/316 stainless steel, Phenolic, and polyester reinforced with fiberglass (PRFV).

Temperature	+0 ºC	-20 ºC	-40 ºC
Panel thickness	80 mm	100 mm	120 mm

Easy assembly
Quick and easy installation as it comes preinstalled. Low maintenance.

Durability
High durability and resistance to intensive use.

Resistance
Corrosion resistance, even in extreme corrosive environments depending on the finish.

Energy efficiency
Great energy efficiency.

Hinges
High mechanical resistance hinges.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Time
Savings in time and money.

PIR insulation
10% additional insulation with PIR foam.

Fire
Excellent performance against fire with PIR foam.

Customizable
Customizable to project requirements.

Pivot refrigerated fire door



The **Kavidoors Firestop Refrigeration Pivot Door**, model Ei2-60, has been manufactured basically with stainless steel, both the structural elements of the leaf, frame and hardware, managing to withstand the tests to which they have been submitted for approval.

The pivoting firebreak refrigeration door can be manufactured for storage (+ 0ºC) and freezing (-20ºC-40ºC) chambers. It has passed the fire resistance test according to Ei2-60 regulation.

High level of tightness, thanks to **Quad-Core** insulation and gasket intumescent installed on the perimeter of the door.

Frame

Industrial frame made of stainless steel prepared to embrace panel or work. Provided with intumescent gaskets.

The freezing doors (–20ºC / –40ºC) They are made with heating elements around the perimeter of the frame and sill.

Ancho luz máximo	1,2 m
Alto luz máximo	2,2 m

Panel

Finished in white band sheet or stainless. **High flexibility gasket for achieve a perfect tightness**.

Quad-Core thermal insulation protects 20% more than PIR foam. Help the conservation of the environment by reducing **smoke emissions in a fire and being free of CFC, HCFC and HFC**.

Temperatura	+0 ºC	-20 ºC
Espesor de la hoja	60 mm	80 mm

Options

- Measures according to demand.
- Sheet thickness in different finishes 0.6 mm.
- Door frame in stainless steel.
- Frame made of stainless steel.
- Handle and hinges in stainless steel.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

Wide range of coatings to guarantee **maximum durability, even in the most aggressive environments**: Lacquered steel (bandacolor), AISI 304 / 2B stainless steel.





Fittings

STUV stainless lever opening system.
Stainless steel hinges with STUV lifting ramps.

Accessories

Colors according to letter, conservation or freezing peepholes, push pad, door closers, low protections in different finishes, etc.

QuadCore Insulating Core

23%

More efficient than a panel insulating with PIR type core.

28%

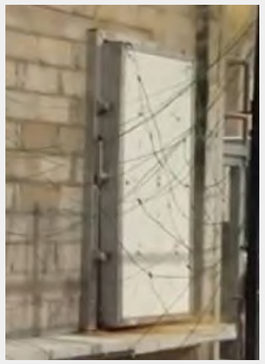
More efficient than a panel insulating with PUR type core.

More than double

Insulation than a rock wool core panel.







Applus laboratories

Test standard: UNE EN 1634-1:2006 +A1:2018.

Classification: UNE EN 13501-2:2019



02 INTERIOR DOORS

- PVC slat curtain — 32
- Isothermal slat curtain — 33
- PVC swing door — 34
- Service pivot door — 36
- Tecnik sliding service door — 38
- Industrial sliding service door — 40

Pvc slat curtain



Kavidoors PVC slat curtains are an economical solution for **places that require insulation, temperature control or environmental separation**. Designed for negative temperature controlled environments for use in **refrigerated spaces for chiller (+0 ºC) and freezer (-20 ºC) rooms**.

Used especially in supermarkets, small shops and in the meat and fishing industries. Ideal for rooms that require compliance with health standards.

Opciones

- Installation on the ceiling inside the recess or on the wall.
- L-shaped extruded aluminum frame finished in white with white lacquer aluminum interior trim.

Slat

In quality, low temperature, flexible and transparent bluish PVC.
Measures of 200 x 3 mm for chiller and freezer rooms.
Individually removable.

Maximum beam width	4 m
Maximum passage height	6 m

Fittings

Support tube, spacers and fixing clips. Made of 1.5mm thick AISI 304 2B stainless steel.

Stainless steel accessories and screws.

Guides

If the curtain is sliding, the guide and carriage are made of 20 micron anodized aluminum with PVC bearings.

Easy assembly
Simple and fast installation with minimal maintenance. Light slats.

Slat
Easy replacement of slats.

Fixing
Fixing inside the frame, on the ceiling, on the wall or outside.

Hygiene
Hygiene and resistance in extreme environments.

Durability
Durability when rotating the brackets on an axis.

Fixing tube and staples
Fixing tube and stainless steel clips with individually removable slats.

Isothermal slat curtain



Kavidoors isothermal slat curtains are a **revolutionary solution for places that require insulation, temperature control or environmental separation** with properties superior to standard PVC models.

Designed for **negative temperature controlled environments** for use in refrigerated spaces for chiller (+ 0°) and freezer (-20°) rooms. Prevents ice formation and is made of fireproof materials.

Fittings

Support tube, spacers and fixing clips.

Made of 1.5mm thick AISI 304 2B stainless steel.
Stainless steel accessories and screws.

Slat

Isothermal insulating slat formed by two interwoven PVC-Nylon outer coverings and a foamed insulating textile core. Total thickness of 7 mm. Technical transmittance value of 3.5 W/(m2.K). Individually removable.

Panel

180° single or double panel with adjustable spring hinges.

Window

Versatile antibacterial window.

Easy assembly
Simple and fast installation. Minimal maintenance.

Useful lifespan
High durability. Lifespan 5-6 times longer than PVC slat curtains.

Energy efficiency
Great energy savings by reducing the massive loss of temperature.

Durability
They are light. They do not break.

Easy replacement
Individually removable.

Excellent airtightness
Absolute adherence to the floor and ceiling.

content

PVC swing door



Kavidoors PVC swing doors are the ideal solution for the partitioning of spaces and closures of air currents. They allow constant two-way traffic in commercial, industrial and cold room environments and withstand temperatures down to -25 °C.

Installation in any type of food industry, supermarkets, hypermarkets, hotels and restaurants.

Frame

Profiles made of silver anodized or white lacquer aluminum.

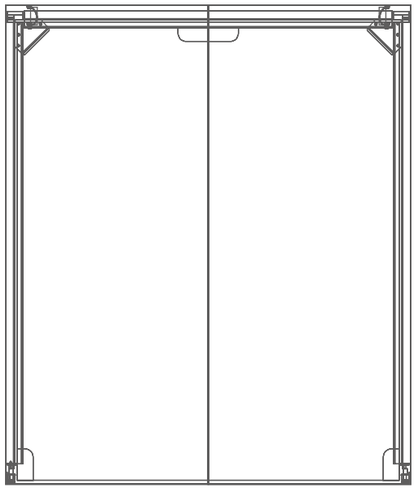
Fixing to the frame through a longitudinal “U” profile in silver anodized Duralinox of 20 microns of 5 mm thickness.

Panel

PVC panel opaque at the bottom and 5 mm thick and transparent at the top. The PVC gasket ensures perfect **peripheral sealing**. For freezer rooms, the door has a **6.5 mm thick acrylic reinforcing mesh** capable of supporting -25 °C.

Options

- Metal/stainless steel frame.
- One or two panels.
- Opaque/transparent/slats PVC.



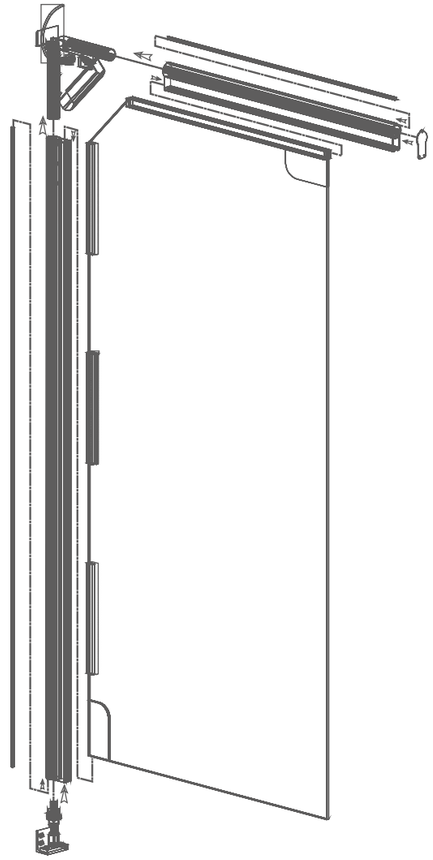
Fittings

- Hinge made entirely of 20 micron silver anodized Duralinox. **Positional opening of 90°**. Provided with closing force regulator.
- **Return spring system**. Adjustable tension closure mechanism.
- Connecting tube: allows to assemble horizontal and vertical profiles in a perpendicular and solid manner.
- Safety sling to guarantee protection to pedestrians and vehicles in the event of an accident.
- Bottom fixing using a wall or floor mounting system. Top fixing through a wall or lintel mounting system.



Colors

We have a **wide variety of RAL colors** to meet the needs of each client.



Mounting example.

Easy assembly
Simple assembly and disassembly. Lightness and flexibility.

Customization
Customized design.

Resistance
Impact resistance.

Protection
Protection against smoke and noise.

Temperature control
Control of temperature and degree of humidity in a building.

Rapid access
It allows rapid access between one area and another.

Temperature
It resists temperatures down to 25 °C below zero.

Installation
Installation both indoors and outdoors.

High thermal insulation
Elimination of drafts, heat, cold, dust...

Two-way traffic
It allows constant two-way traffic in commercial, industrial and refrigerated room environments.

Service pivot door



Kavidoors service pivot doors are specially designed for pedestrian **use in positive temperature environments.**

Application in offices in the industrial, commercial and health sector such as laboratories, hospitals, clinics, clean rooms and radiology to **divide work areas or services**. They can be **one or two-panel.** High level of thermal and acoustic insulation.

Frame

Built with white lacquer aluminum profiles for panel mounting with trim included or on brickwork. It has an **oval EPDM gasket to achieve greater tightness, reduces noise and the passage of air currents**.

Hoja

Compact **40 mm injection panel,** manufactured in one or two panels made up of a perimeter frame in white lacquer or anodized aluminum in case the panel finish is gray or stainless.

1 panel	Maximum beam width	1,2 m
	Maximum passage height	2,5 m
2 panels	Maximum beam width	2,5 m
	Maximum passage height	2,5 m

Fittings

Anti-snag **double curve stainless steel handle** and protection plate that **prevents wear on the door**. It has a hinge made of stainless aluminum profiles. Lock included in all models.





Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

Wide range of finishes to guarantee **maximum durability, even in the most extreme environments**: stainless steel badge, stainless steel, PVC, PP, BC...

Options

- Double key.
- Lock with the same key.
- Seal.
- Door closers.
- Electric opening by push button or command.
- Retention electromagnets.
- Lock with key and seal. Handle with keyhole and air pump included.
- Ceiling frame/embedded in the ground/anodized.
- Panic bar.
- Airlock through electropiston.
- Control unit for lock system on several doors.
- Methacrylate sight glass with stainless steel/ rectangular aluminum oval porthole frames in flexible EPDM rubber.
- Guillotine gasket to prevent the passage of lower current.
- Customization of the frame to the brickwork.

Easy assembly
Quick and easy installation. Pre-assembled door.

Insulation
High level of thermal and acoustic insulation.

Customization
Customization to panel/brickwork regardless of the thickness and the demands of the project.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Saving
Savings in time and money.

Resistance
Corrosion resistance, even in extreme environments depending on the finish. High durability.

Tecnik sliding service door



Tecnik Kavidoors sliding service doors are specially designed to **close or divide warehouses and work rooms** in hospitals, clinics and food, chemical or pharmaceutical industries.

Installation in hypermarkets, logistics centers, hotels and restaurants. Use in areas with **positive temperatures**.

Panel

Injection panel made of structural steel sheet **without molding or welding** and a thickness of **40 mm** with white lacquer finish. **Rigid foam core out of polyisocyanurate (PIR)**, nominal density 40-45 kg/m^3. Its **excellent performance against fire and its high insulating capacity** substantially improve the properties of foams with a traditional PUR polyurethane core.

Maximum beam width	3 m
Maximum passage height	3 m
Maximum total area	7,5 m^2

Guide

The panel is clamped and **slides** through the **two-bearing carriage system**. The guide and the carriages are made of 20 micron anodized aluminum, suitable to withstand any environment.

Lower guide formed by an aluminum guide profile on the panel and guide skid on the ground.

It has an **upper guide** formed by an anodized aluminum profile with tread protection and stainless steel Klein type hardware.

The **hygienically designed aluminum track** cover **makes cleaning and maintenance easy**.

Fittings

Hygienic design that **prevents the entry of dirt into the guide**. High resistance PVC bearings that guarantee its durability. Exterior and interior handle to **facilitate manual door opening and closing**.





Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

We have a wide range of coatings to guarantee the **maximum durability, even in the most extreme aggressive** : pre-lacquered stainless steel, stainless steel, PVC...

Options

- Double panel/telescoping panel.
- Customization of the frame to the brickwork or aluminum panel.
- L-shaped extruded aluminum frame with antibacterial RAL lacquer.
- Hood system for overhead rail passage.
- Methacrylate ISO sight glass.
- Lock for manual panel.
- Automation. Different opening options: radar, magnetic loop, push buttons...

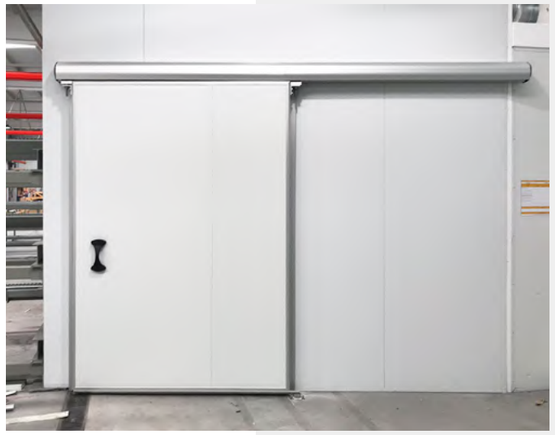
Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Durability
High durability.

Customization
Customization to any situation.

Customization
Customization.

Industrial sliding service door



Kavidoors industrial sliding service doors are specially designed to **close or divide warehouses and work rooms** in hospitals, clinics and food, chemical or pharmaceutical industries.

Use in areas with **positive temperatures**.
Anti-fall-anti-tip system patented by Kavidoors.

Frame

Built with polished silver 20 micron anodized aluminum profiles, with a white lacquer option. The thickness of this layer increases the **resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting. The anodized profiles are manufactured through processes certified by the **Qualanod quality seal**.

Telescoping frame with front thermal bridge break. Innovative telescopic frame system to **perfectly adapt the fixing to a panel wall or brick wall** regardless of the length.

Panel

Injection panel made of structural steel sheet **0.6mm thick** with white lacquer finish. **Rigid polyisocyanurate (PIR) foam core**, nominal density 40-45 kg/m^3. Its **excellent performance against fire and its high insulating capacity** substantially improve the properties of traditional PUR polyurethane core foams.

The panel has a **flexible EPDM perimeter gasket** that ensures a perfect **airtightness** and is **easy to replace**.

Guide

The panel is clamped and **slides in one piece** through the **bearing carriage system**. It also has the anti-fall-anti-tip safety **system of the panel thanks to its double guide patented by Kavidoors**, thus complying with the CE marking, which establishes the minimum requirements related to the safety of the product regarding the prevention of occupational risks of accidents.

Lower guide formed by an aluminum guide profile on the panel, guide runner on the ground and pressure wedge for the panel with the frame.

It has an **upper guide** formed by an anodized aluminum profile with tread protection and stainless steel hardware.

The **hygienically designed aluminum track cover makes cleaning and maintenance easy**.





Fittings

Stainless steel opening handle. Exterior and interior handle to **facilitate opening and closing operations**.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

Wide range of coatings to **guarantee maximum durability, even in the most extreme environments**: PET 55§, Granite HDX 55 u, 25 u lacquer steel, 304/316 stainless steel, Food Safe PVC, phenolic, polyester reinforced with fiberglass (PRFV).

Options

- Antibacterial RAL lacquer aluminum frame.
- Automation.
- Manual/automatic key lock.
- Upper guide start.
- Automated double panel sliding door for personal access.
- Hood system for overhead rail passage.
- ISO sight glass.
- White lacquer marking.
- Panel protections out of stainless steel aluminum-polyethylene.
- Folding.

Customizable
Customizable to any situation.

Durability
High durability.

Fire
Excellent performance against fire with PIR foam.

Functional features
Optimal climatic, hygienic and sanitary functional qualities.

Power
Suitable for contact with food.

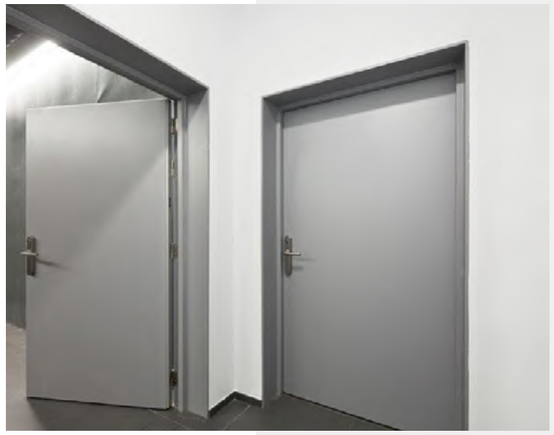
Insulation
10% additional insulation with PIR foam.



03 TECHNICAL DOORS

- Acoustic door ____ 44
- Injection swing door ____ 45
- Polyethylene swing door ____ 47
- Isothermal flexible swing door ____ 49

Acoustic door



Kavidoors acoustic doors **guarantee insulation and acoustic absorption in rooms that require high sound tightness**. Ideal for installation in recording studios, cinemas, auditoriums, theaters,office and hotels. It may also be applied in private homes to improve the quality of life and reduce sounds.

Frame

Frame made of solid wood with an MDF or plywood base. It has a **closure with gasket with acoustic seal**.

Panel

55 mm thick chipboard **panel with** solid perimeter frame and **acoustic insulation core** with perimeter overlap on three sides.

Fittings

Retractable sealing gasket with 20 mm line. Unilaterally operated folding film installed under the door.

Finishes

Noble woods or precomposed sheets, HPL or melamine laminates.

Options

- Mechanical or electromechanical lock.
- Frame finish: plated/lacquered/layered/decorated.
- Another model.
- Visible and hidden top automatic closure.
- Exposed hinges/AISI304 stainless steel/3D hidden/cylinder base fitted with a ball bearing for use on heavy doors.

Design
Customizable design. Adaptable to project requirements.

Insulation
High level of acoustic insulation.

Sound
Sound reduction.

Manufacturing
Custom manufacturing.

Injection swing door



Kavidoors injection swing doors are specially designed for **intensive use in positive temperature environments.** Ideal for installing in hotels, clinics, hospitals, restaurants, kitchens, shops, agribusiness, supermarkets and hypermarkets.

Frame

Frame and trim adaptable both to any thickness as well as brickwork or aluminum panel.



Panel

Compact 40 mm injection panel, made of one or two panels made of white colored band sheet and white PP with a frame formed perimeter by white lacquer aluminum corner piece and with **compact EPDM gasket**. It has an oval sight glass as standard and lower polyethylene protection.

1 panel	Maximum beam width	1,2 m
	Maximum passage height	3 m
2 panels	Maximum beam width	2,4 m
	Maximum passage height	3 m

Options

- Hood system for overhead rail passage.
- Polyamide hinge with 90° retention.
- Lock with key.
- Custom stainless steel or rectangular aluminum sight glass.
- Rigid swing door lock on plate.
- Custom made stainless steel/5 mm PE-HD bumper/ polyethylene wing fender.
- Flexible hinged door in 5 mm PVC resistant to low temperatures. Food-safe certified.
- Single panel.

content

Fittings

Double acting stainless steel hinge with easy adjustment closing force. Designed for intensive use.(standard model).

Hinge with retention at 90º (Optional model).



Optional model hinge.



Standard model hinge.

Coatings

Color band for the passage of people or **polypropylene**, recommended for intensive use of maintenance machines or installations where it can receive more impacts.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.



Polyethylene swing door



Kavidoors polyethylene swing doors are specially designed for interior use. With high traffic and in positive temperature environments, the excellent performance of against impact, scratching and corrosion, make this door an ideal solution to be installed in restaurants, kitchens, agribusiness, supermarkets and hypermarkets.

Frame

Built with polished silver 20 micron anodized aluminum profiles, with a white lacquer option. The thickness of this layer increases the **resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting.

The anodized profiles are manufactured through processes certified by the **Qualanod quality seal**. 100 mm panel frame.

Panel

Solid polyethylene panel **form with a thickness of 15 mm** manufactured in one or **two panels** made with an anodized aluminum perimeter frame.

It has a sight glass porthole out of white polyethylene and methacrylate.

Spruce EPDM perimeter gasket.

Design
Hygienic guarantee.

Resistance
High durability against impacts and safety.

Installation
Simple installation and adjustment. Door pre-installed.

Door
Individually injected door with sight glass.

Options

- Hood system for overhead rail passage.
- Lock with key.
- Polyamide hinge. 90º opening and retention or steel hinge with 120º opening.
- White lacquer marking.
- Stainless steel or rectangular aluminum sight glass.
- Panel protections out of stainless steel-aluminum-polyethylene.

Fittings

Double action polyamide hinge type FERMOD with **retention system at 90º** in both directions.



Coatings

Solid polyethylene PP500 plate, with very good mechanical properties, **resistant to wear, cuts and scratches**. Also, physiologically safe.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.





Isothermal flexible swing door



Kavidoors isothermal flexible swing doors can be **single or double leaf, with interchangeable parts and transparent antibacterial windows**. Ideal for use in refrigerated rooms, hospitals, supermarkets, the agricultural sector...

Frame

Built with **extruded aluminum profiles polished silver 20 micron anodized**, with a white lacquer option. The thickness of this layer increases the **resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting. The anodized profiles are manufactured through processes certified by the **Qualanod quality seal.**

- Unique profile and gasket prevents thermal bridging.
- Impact resistant shock absorbers.
- Versatile 180 degree lightweight casement door.

Options

- One or two panels.
- Doors with heating cables for freezing applications.



Resistance
High resistance and hygienic guarantee.

Durability
High durability against impacts and safety.

Installation
Easy adjustment and installation.

Easy assembly
Quick and easy to assemble.

Eliminate night door
Eliminate the use of a night door.

Ice
Greatly reduces ice build-up.

Lightness
Less physical effort to operate.

Thermal protection
Comprehensive thermal protection provides tremendous energy savings.

Durability
High durability against impacts and safety.

Easy assembly
Quick and easy to assemble.

Design
High resistance and hygienic guarantee.

Energy saving
At least 25% energy can be saved on chillers and 33% in freezers.



04 HOSPITAL DOORS

- Operating room hermetic sliding door — 52
- X-ray pivot door — 54
- Clean room pivot door — 56
- Viewing window — 58
- X-ray window — 59

Operating room hermetic sliding door



Kavidoors hermetic sliding operating room doors are the perfect solution for those **places where acoustic and thermal insulation and high hygiene conditions are required**.

The doors **prevent the passage and accumulation of contaminating elements**, guaranteeing the maximum possible hygiene in the facilities.

Recommended for clinics, hospitals and laboratories to prevent the spread of bacteria.

Frame

Built with **extruded aluminum profiles polished silver 20 micron anodized**, with a white lacquer option. The thickness of this layer **increases the resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting. The anodized profiles are manufactured through processes certified by the **Qualanod quality seal**. Standard panel frame up to 100 mm thick.

Panel

The panel has a **thickness of 60 mm**. It also has **an insulating core of PIR foam** with a density of 45kg/m^3. Possibility of supplying the door with different types of sight glass: round, square or rectangular. **Hermetic** perimeter and bottom **closure by EDPM weatherstripping.**

Manual upper guide

The panel is clamped and slides in one piece through the **bearing carriage system** designed with a 45° dip to ensure its **perimeter airtightness**.



Fittings

Exterior and interior handle to facilitate opening and closing maneuvers. Made of stainless steel.



CE marking and European directives

The automations for pedestrian sliding doors are designed and built in accordance with the safety requirements of the European standard EN 16005 and bear the CE mark in accordance with the European directive on electromagnetic compatibility (2014/30/EU).

The automatisms also have the Declaration of Incorporation for the Machinery Directive (2006/42/CE).

Colors

Wide variety of RAL colors to meet the needs of each client.

Coatings

We have a wide range of coatings to guarantee the **maximum durability, even in the most extreme environments**: PET, ABS, lacquer steel, 304/316 stainless steel or phenolic HPL.

Options

- Flush sight glass.
- Automation.
- X-ray room.



Hygiene
High hygienic level.

Safety
Anti-fall-anti-tip safety system,

Airtightness
Hermetically sealed under pressure.

Bacteria
Prevents the spread of bacteria.

X-RAY pivot door



Kavidoors X-ray pivot doors are **fully leaded for radiation leak protection in X-ray rooms.** In this way, an **insurmountable barrier is created against such rays**.

This door model is used in X-ray rooms of hospitals, clinics or laboratories. The guillotine gasket guarantees tightness against air leaks.

Frame

Polished silver **20 micron anodized aluminum** frame, with a white lacquer option.

The thickness of this layer **increases the the resistance to abrasion and corrosion** of aluminum and provides coloration to the parts through tinting. The anodized profiles are manufactured through processes certified by the **Qualanod quality seal**. Rear fixing system and **telescopic adjustment**.

The **frame is also leaded inside**, providing a radiation protection barrier.

Panel

It has a **lead sheet** that creates an **insurmountable barrier against the action of X-rays.**

Fittings

Anti-snag double curve stainless steel **handle and protection plate that prevents wear on the door.** It has a hinge made of stainless aluminum profiles. Lock included in all models.

Coatings

We have a wide range of coatings to guarantee the **maximum durability, even in the most extreme environments**: PET 55§, 304/316 and phenolic stainless steel.

Colors

Wide variety of RAL colors to meet the needs of each client.



Options

- Adjustable stainless steel hinges.
- Lock with key.
- Seal.
- Door closers.
- Electronic lock.
- Access control system.
- Panic bar.
- Panel finished in stainless steel, phenolic or Estetic Clean PET.
- Lock kit.
- White lacquer frame.
- Guillotine gasket.
- Key mastering.
- Antibacterial finishes.
- Protections on the stainless-aluminumpolyethylene panel.
- Custom stainless steel / rectangular aluminum / rubber sight glass.
- Leaded glass.

Design
Hygienic and sanitary design, very resistant to impacts, chemicals and humidity, designed for the radiological protection of X-ray rooms.

Durability
Mechanical resistance and durability using different coatings customized to the needs of each client.

Installation
Easy installation in new construction and renovation. Adjustable system that facilitates placement.

Airtightness
Hygienic-sanitary.

Clean room pivot door



Kavidoors clean room service pivot doors are specially designed for pedestrian **use in ambient temperature environments**.

Application in offices in the industrial, commercial and health offices, such as laboratories, hospitals, clinics and clean rooms and radiology.

Frame

Constructed with a single piece white **lacquer aluminum profile, without projections or visible screws** and with the recess of the blind skid.



Panel

Made with **TE-23 phenolic resin panel** built with 3 mm thick phenolic laminate plate. **Stable rigid support** interior (Polystyrene-Rock Wool, edged with compact phenolic resin).

It has a guillotine gasket at the bottom.

Rigid polyisocyanurate (PIR) foam core, nominal density 40-45kg/m^3. Its **excellent performance against fire and its high insulating capacity** substantially improve the properties of foams with a traditional PUR polyurethane core.

Fittings

Anti-snag double curve stainless steel handle and protection plate specially designed for offices and medical practices.

It has a **hinge composed of profiles out of extruded aluminum,** a material suitable **to absorb both pressure and traction forces.** In combination with the support bolt, a product **resistant to any load is achieved.**

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Coatings

We have a wide range of coatings to guarantee the **maximum durability, even in the most extreme environments:** PET 55§, Granite HDX 55 u, 25 u lacquer steel, 304/316 stainless steel, Food Safe PVC, Phenolic, and polyester reinforced with fiberglass (PRFV).



Options

- Hidden or visible hinges.
- Panic bar.
- Red-green traffic light.
- Electric lock to perform interlocking.
- Visible or hidden retainer spring.
- Flush sight glass.
- Visible retaining spring or perimeter rubber flange to increase tightness and minimize air leaks.

Ease of cleaning
Panel, window and flush frame in clean room.

Design
Hygienic design.

Hygiene
Prevents the accumulation of dirt.

Airtight
Hygienic-sanitary.

Viewing window



The Kavidoors viewing window is manufactured in order to **see the activity that is being carried out within a room and thus control the production process** at all times.

Designed for **areas with positive temperature**. Ideal for installation in supermarkets, hotels, restaurants, laboratories, hypermarkets...

Frame

Double thermal bridge break. White lacquer aluminum frame with **telescopic trim that adapts perfectly to the thickness** of the panel.

Maximum beam width	2 m
Maximum passage height	2 m
Maximum total area	2 m^2

Glass

High quality 5/14/6 Climalit® glass.

Options

- Window without glass or 5 mm methacrylate.
- 3+3/12/3+3 laminate glass.

Mechanical and acoustic performance
High mechanical and acoustic performance.

Saving
Cost savings.

Installation
Quick and easy installation.

Flexibility
Frame adaptable to brickwork or to any panel thickness.

X-RAY window



The Kavidoors X-ray window is designed to be installed in different areas: windows for monitoring for X-ray, Angiography and Tacs rooms; protection windows for laboratories; lenses for safety glasses; X-ray or medical diagnostic screens for airport security.

Frame

Leaded frame and glass. They are supplied in polished plates with dimensions up to 2800x1400 mm, allowing a **wider field of view**.



Options

- Polished edges for added safety.

X-rays
Shielding against X-rays emitted by equipment operating between 80 and 300 kV.

High protection
High level of protection due to its high concentration of barium and lead.



05 FIRE DOORS

- Pivot fire door — 62
- Sliding fire door — 64
- Guillotine fire door — 66
- Sectional fire door — 68
- Fire curtain — 70
- Fire shutter — 72

Pivot fire doors



Kavidoors pivot fire doors are the most common. They have a **fire resistance of one hour.**

They are used for pedestrian accesses and not for large passage areas like other fire doors.

Frame

STD39 angle frame. It uses an **innovative aluminum frame and trim out of** white prelacquer aluminum with a thickness of 1.5 mm.

Fittings

Reversible mortise lock without anti-panic function. Handle with short shield and black nylon keyhole.Features single axis overhead hinge (minimum 2 units).

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Panel

Panel with **58 mm thickness** manufactured by **folding without welding. One or two panels** composed of a perimeter frame of anodized aluminum and structure sheet steel of 0.6 mm thickness with white lacquer finish.

It has an **oval sight glass as standard** and lower polyethylene protection.

Rigid polyisocyanurate (PIR) foam core, nominal density 40-45kg/m3. Its **excellent performance against fire** and its high **insulating capacity** substantially improve the properties of foams with a traditional PUR polyurethane core.

Airtightness

It seals the rooms completely, so there is no unnecessary loss of energy.

Fire

Fire resistant up to 60 minutes.

Coating

Hygienic finish.

CE marking

Customizable to project requirements.

Models

UL fire door

For the range of firewalls at Kavidoors, we have the **certificate of UL compliance** on our standard doors to meet the needs of the **American market**, where compliance with the **ANSI-UL 10B standard** is required.

This door model allows the incorporation of any hardware that has the corresponding UL labeling.





Fire door - Large Tunnel Dimension (GDT)

Double panel **fire door** designed for use in **railway and road** tunnels, where high performance **resistance to pressure is required, both thrust and suction**.

The manufacture of the panels, with a **thickness of 100 mm**, is carried out using tongue and groove panels joined together and enclosed by a U perimeter. Combined with a robust frame and **reinforced and welded hinges**, specially designed for pressure performance, this achieves an optimal set.

Both the active and passive panel are equipped with an anti-panic bar. The active one has a handle with a black nylon blind short shield. The 100x40mm tubular frame is 2.5mm thick.

Sliding fire door



Kavidoors sliding fire doors have a **fire resistance of 60 minutes. They usually remain open, held by an electromagnet**, until, in the event of fire detection or a power failure, the counterweight system causes the **doors to close automatically**. These **will seal the room completely.**

Designed for the food, distribution and transport sectors.

Frame

Built with 249/225 mm x 45 mm stainless steel profiles. This profile has a **fire retardant padding** that guarantees protection against fire.

Guide

The panel slides through upper bracket provided on a guide rail. The nylon bearings **prevent jamming from dirt and wear**.

Panel

Composed of panels, with a **fireproof insulating core** and a stainless steel rim.

It is **78 mm thick**. It has a galvanized steel plate on both sides. It is suspended from an upper guide by carriages with bearings. Equipped with protective stainless steel bumper.

The slat is equipped with a **rubber seal that guarantees maximum tightness**.

Fittings

Stainless steel inner and outer lever. **The door can be opened smoothly without effort**.

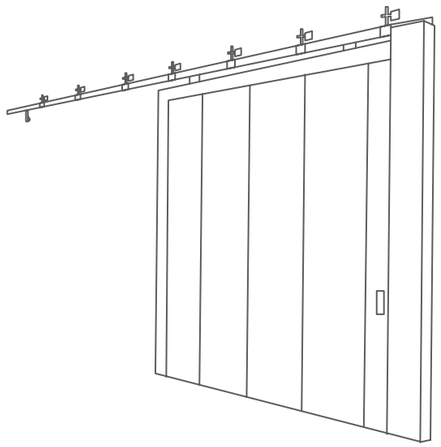
Coatings

White lacquer coat steel or 304/316 stainless steel.



Options

- **Manual or automatic**. In the case of being automatic, the opening and closing time may be adjusted variably to 0.8 m/s.



Airtightness
It seals the rooms completely, so there is no unnecessary loss of energy.

Fire
Fire resistant up to 60 minutes.

Coating
Hygienic finish.

Customizable
Customizable to project requirements.

Guillotine fire door



Kavidoors fire guillotine doors are designed for **access areas where there is no lateral clearance but there is free height.**

They resist fire for one hour. They usually remain open, held by an electromagnet, until, in the event of fire detection or a power failure, the counterweight system causes the **doors to close automatically**.

Frame

Galvanized steel folded profiles opposed on panel and wall.

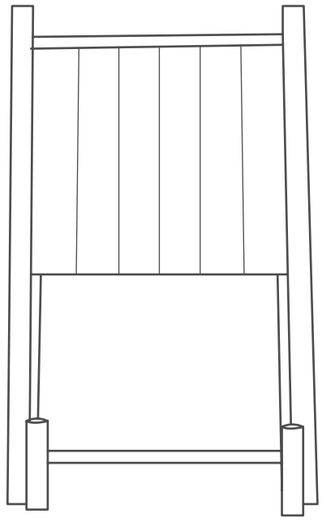
Prepared to house **intumescent gasket** along its entire length, which **expands in case of fire** leaving the compartment totally sealed.

Panel

The panel is manufactured from tongue and groove modular panels. Panel composed of a **steel plate galvanized on both sides**, filled with mineral rock wool and plaster. It is **78 mm thick**. It incorporates a U-shaped perimeter metal profile. Opening/closing handle embedded in the panel.

Options

- Possibility of incorporating a lower opening in the panel that allows the passage of certain services, such as the electrified rails of a conveyor belt that runs through the recess to be closed.
- Satin liquid paint option.



Fittings

Stainless steel inner and outer lever. **The door can be opened smoothly without effort.**

Guide

Galvanized steel guide that provides a perfect rolling of the skids in the inside.

The panel has **four lateral skids installed**, two on the bottom and two on the top. The latter are intended to **cushion the dip in the event of a transmission failure**. In those cases where the size and weight recommend it, they will be replaced by a double transmission cable.



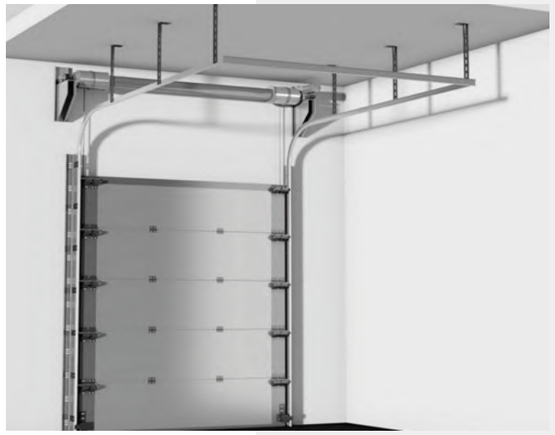
Airtightness
It seals the rooms completely, so there is no unnecessary loss of energy.

Fire
Fire resistant up to 60 minutes.

Installation
Places without lateral clearance but with free height.

CE marking
Customizable to project requirements.

Sectional fire doors



Kavidoors sectional fire doors have a **fire resistance of 60 minutes.**

Thanks to the fact that **they open vertically**, their installation will always be possible regardless of the available clearance. They usually remain open until, in the event of detection of **fire** or a power failure, **the control unit sends an electric signal to the electronic panel** and this, through the motor, **automatically closes the doors**. These will seal the room completely.

Panel

Composed of panels with a steel pearl frame on which **fireproof plasterboards** are attached.

It is **80mm thick**. On the upper and lower side it has DM slats that have a groove along their entire length in which an inflatable joint is glued. Finished in 0.63 mm thick pre-painted metal sheet in RAL 9002 and 9006.



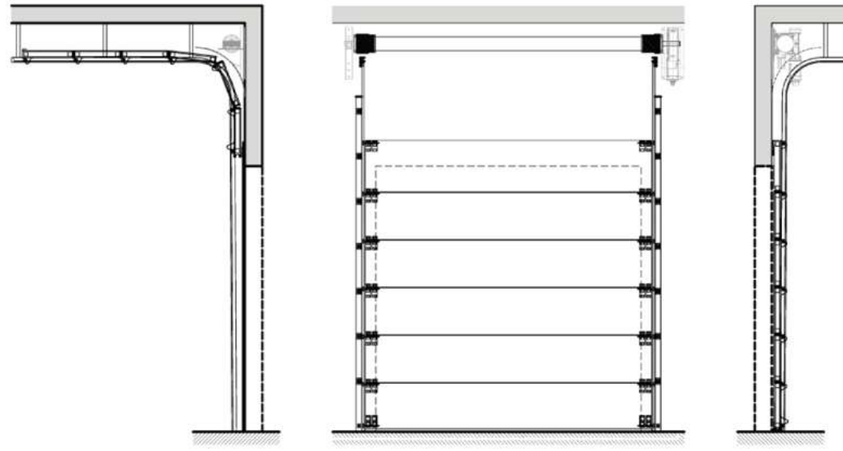
Guides

The lateral guides **consist of a guide base formed by a 2 mm** double profile made of galvanized steel that is mounted to the wall and contains a fire-resistant plate with two intumescent seals on top, **and on the other side, the guide, with a C profile of galvanized steel** cold formed with 1.5 mm thickness. Both parts **are joined through clamps** out of 2mm galvanized steel.

Isolation

Above the span there is isolation formed by a fixing profile with fire resistant plasterboard and two intumescent joints in the wall, and a fixing profile in the upper sheet.

In this way, in the event of a fire, **flames are prevented from spreading.**



Options

- 230 V direct drive motor.
- 400 V chain motor.
- 230 V hydraulic motor.
- All its steel components may be painted in any RAL color or manufactured in AISI 304 or 316 stainless steel.
- 230 V hydraulic pump motor.
- Galvanized steel cover.
- ATEX certified.
- The drive system and control unit, or any accessory (safety brake, up and down button...) may be mounted with an ATEX motor version.

Airtightness
It seals the rooms completely, so there is no unnecessary loss of energy.

Fire
Fire resistant up to 60 minutes.

Insulation
High thermal and acoustic insulation.

Installation
Installation viable in any space.

Fire curtain



Kavidoors fire curtains have a **fire resistance of 120 minutes. They limit the spread of fire and smoke, as well as the transmission of thermal radiation**, preventing the ignition of materials and damage to people on the side not exposed to the fire.

Thanks to the fact that **they open vertically,** their installation will always be possible regardless of the available clearance. Reversible, able to withstand flames on both sides.

Fabric

When the curtain is exposed to high temperatures, it creates an **insulating inner layer** that works as a barrier to limit thermal **radiation for 120 minutes**. This is possible thanks to its **multilayer fabric** finished with 2 mm thick aluminum sheets on both sides.

Irrigation system with fast response hot melt bulb type, hidden under the false ceiling. Sprinklers distributed every two meters, required only to isolate the fabric and not the structural elements such as the drawer or the side guides.

Guides

GL side guides. The **anti-tear guide system ensures the tightness and integrity of the fire curtain against gases and flames** thanks to the low friction inner guide. Compact anti-flex counterweight mechanism that ensures the **closing of the fire curtain safely** at a controlled speed without the need for electrical power thanks to **ISF Gravity Fail Safe technology**.

Dimensionally stable metal drawer that houses the fabric and the different components of the system.

Base fabric	1000 g/m² +/- according to DIN EN 12127
Finish fabric	1120 g/m² +/- according to DIN EN 12127
Material	E-Glass, Steel; Wire

Models

E120

High performance technical **fiberglass fabric with stainless steel armature**.

Finished with a polyurethane treatment **to preserve inherent properties of the fabric during curtain** maneuvers.



EW120

The innovative design of the EW120 fire curtains **allows** the limiting and controlling of flames and hot gases up to 1100 °C and **creating an area with reduced thermal radiation** up to 15 Kw/m2 for 120 minutes, thus favoring the permanence of **safe areas during a fire**.

$EI_2$120

This model of fire curtain, **in addition to reducing the emission of thermal radiation, also reduces heat transfer**, creating a safe area for people and property as it is not possible to produce a fire on the other side. This is possible thanks to the **water spray with an irrigation system**.

Airtightness
It seals the rooms completely, so there is no unnecessary loss of energy.

Fire
Fire resistant up to 60 minutes.

Reversible
Supports flames on both sides.

Anti-crushing
Controlled lowering speed without the need for a power supply.

Fire shutter



Kavidoors roller fire doors have a **fire resistance of 60 minutes. Its vertical opening facilitates its installation in any place** regardless of the available clearance.

Easy assembly and disassembly thanks to the unique slat “click” system.

Resistance EI 120 and EW 180.

Axis

The drive shaft where the shutter is fastened is located between the brackets. The movement system consists of two steel brackets where the tube is mounted. Brackets are attached to the wall using bolts and locking plates. A galvanized steel angle profile is mounted on the end of the brackets. **To ensure the stability of the movement system, a profile with L-shaped galvanized steel sheet is used that is mounted at the end of the brackets**.

As standard, the roller fire door is equipped with a control unit that can accommodate various types of operational devices such as key switches, smoke or temperature detectors, or fire alarm systems.

Slat

Made of 60 mm thick galvanized steel. The slats are made up of two 0.8 mm thick profiles, made of galvanized steel and **filled with special fire resistant insulation**.

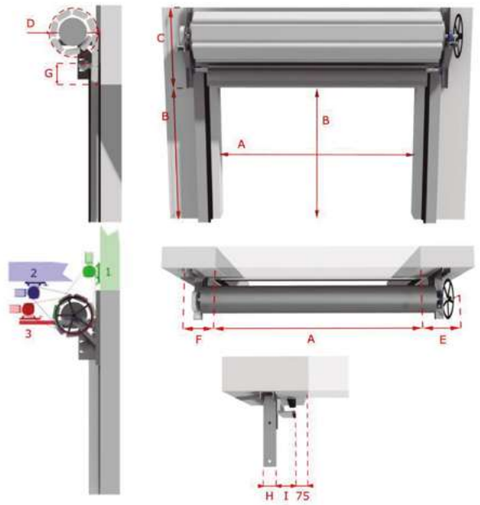
The lower part of the panel is finished with an L-shaped galvanized steel profile, attached to the lower part of the slat by steel rivets.

The **slats** are finished in galvanized steel with end cams on both sides and are equipped with a **unique “click” system that allows them to be mounted and removed** when they are positioned at a 90° angle.

Guides

The side guides are made of galvanized steel and L-shaped plated profiles, equipped with an **intumescent material.**





A - Light recess width.

B - Light recess height.

C - Lintel.

D - Armored armature diameter.

E - Motor side clearance.

F - Clearance on the opposite side of the motor.

G - Protection.

H - Armature width.

I - Guide width.

Options

- Galvanized steel cover.
- All its steel components can be painted in any RAL color or be made of AISI 304 or 316 stainless steel.
- ATEX certified.
- The drive system and control unit, or any accessory (safety brake, up and down button...) may be mounted with an ATEX motor version.

Energy saving
It seals the rooms completely, so there is no unnecessary loss of energy.

Fuego
Resistente al fuego hasta 60 minutos.

Easy assembly
Unique slat “click” system.

Installation
Installation possible anywhere,



06 HIGH SPEED DOORS

- High speed roller door — 76
- Self-repairing high-speed roller door — 78
- High speed T+0 °C and 20 °C refrigerated door — 81
- High-speed canvas refrigerated double door — 84
- High speed clean room roller door — 86
- High speed horizontal roller door — 88
- High speed stacking door — 90
- High speed spiral door — 92

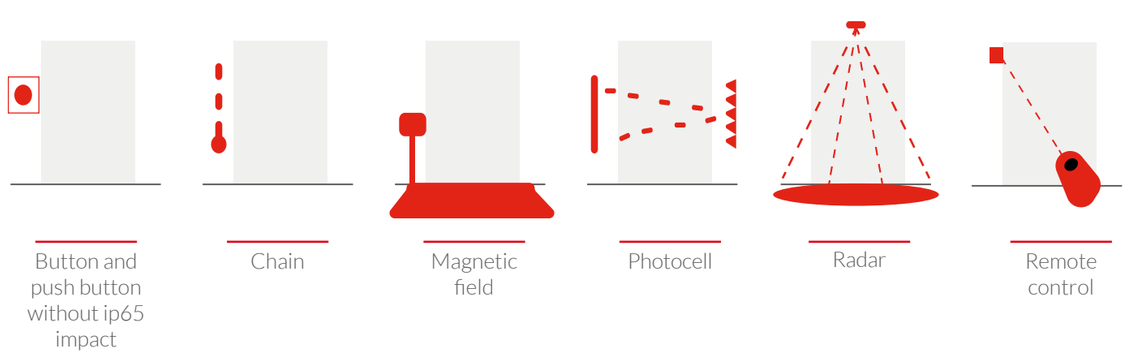
High speed roller door



Kavidoors high-speed roller doors are specially designed for **climate controlled indoor areas** with temperatures ranging **from 5 to 80 °C**.

Use as a **dividing element in areas with a continuous flow of goods**, to ensure optimal insulation. Installation in any industrial sector, but it is especially recommended in places with high traffic.

Opening options:



Structure

Made with anodized aluminum lintel with a high degree of tightness. Wall-floor fixings in stainless steel. Hidden cable system.

Configured with a PVC-Nylon canvas interfacing 1 mm thickness and 900 gr/m^2 with a configurable transparent window.

Maximum beam width	4 m
Maximum passage height	3,4 m

Motor

- Supply voltage 3x400V/ 3x230V VAC+PE,160 rpm.
- Opening and closing speed: 1 m/s.
- Limit switches by encoder.
- IP65 humidity protection.
- Low noise level gears.

Safety

Photocell barrier integrated in the guide.

Interior/exterior emergency button panel and **possibility of manual opening in case of emergency.**

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.

Control panel

- Digital control of regulation and position of the door.
- Long duration mechanical block contactors.
- High quality terminal set for external connection.
- If the power is cut, the door is not deprogrammed and its position does not have to be adjusted again.
- Three-phase 3x380/400 VAC+N+PE or singlephase 2x230 VAC+N+PE connection.





Options

- Metallic motor cover.
- All elements in stainless steel (guides, lintel, console, feet and screws).
- Additional or custom sight glasses.
- Electrical panel with single-phase connection, use at 220V or 60 Hz, v = 1.2 m/s with shifter.
- Self-healing.
- White lacquer profiles.
- Emergency UPS system.
- Customized corporate canvas design.
- Flashing beacon/marker.
- Reduced lintel.
- Inductive limit switches.

Easy assembly
Simple and fast installation, programming and regulation with low maintenance. Pre-installed door.

Customization
Customization of corporate canvases.

Saving
Savings in time and money.

Safety
This door complies with the standards of safety required under the EN13241-1 standard.CE marking.

Safety system
Unique safety systems.

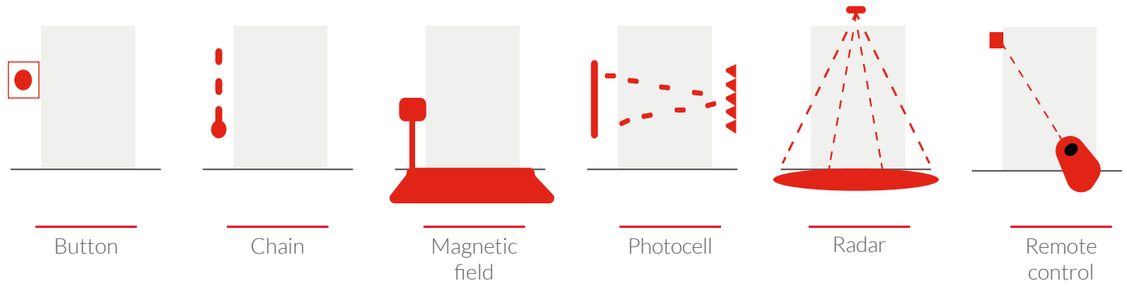
Self-repairing high-speed roller door



Kavidoors self-repairing high-speed roller doors **provide a solution to the partitioning of work areas, both indoors and outdoors**, with high traffic of people and vehicles with the need for quick opening and closing maneuvers.

Thanks to its self-healing function, **if it receives an impact, the canvas comes off the guides without suffering any damage and then reverts back to its original position** to continue working normally.

Opening options:



Options

- All elements in stainless steel (guides, lintel, console, feet and screws).
- Metallic motor cover.
- White lacquer profiles.
- Additional or custom sight glasses.
- Uninterruptible power supply single phase 1200w (UPS).
- Customized corporate canvas design.
- Motor in horizontal position.
- Refrigerator.

Structure

Made with **anodized aluminum lintel** or stainless steel with a high **degree of tightness**.

Wallfloor fixings in stainless steel. Hidden cable system.

Safety

It has a photocell barrier IP67 2000H or 2500H transmitter-receiver. Interior/exterior emergency button panel.

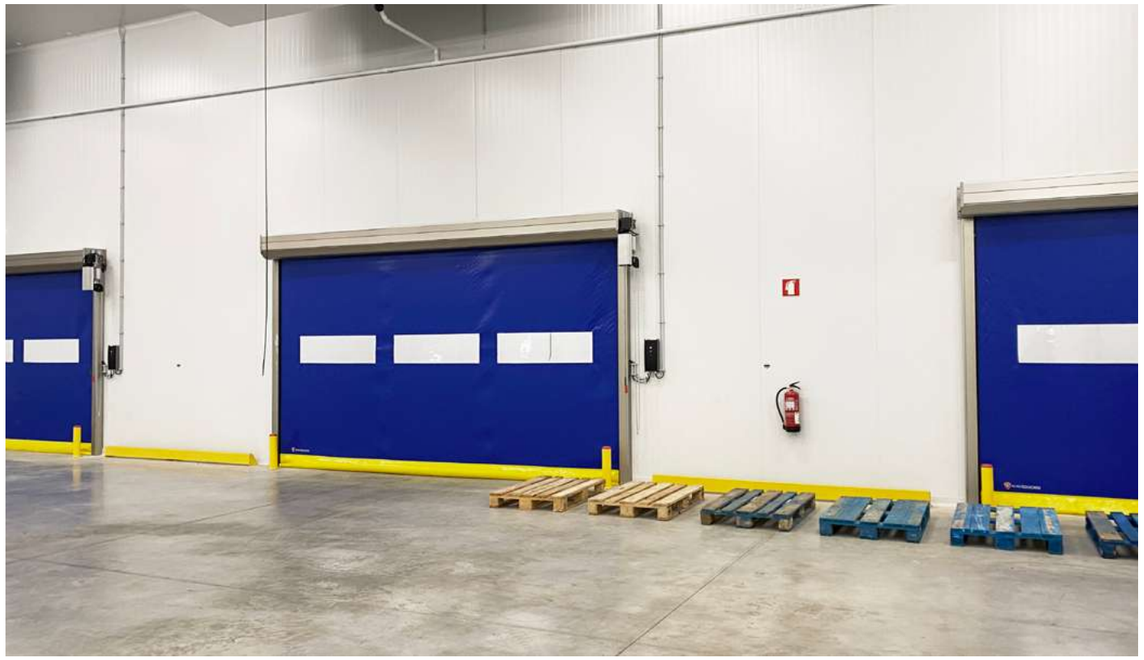
It does not require a safety switch.

Canvas

PVC-Nylon interlocking canvas 1 mm thick and 950 gr/m^2.

Colors

We have a **wide variety of RAL** colors to meet the needs of each client.







Motor

- Supply voltage 3x230/400 VAC+PE, 05 CV, 160 rpm, IP54.
- Opening and closing speed: 1 m/s.
- Electronic limit switches or by encoder.
- Low noise level gears.

Control panel

- 1x230 VAC+PE at 50-60 Hz, with frequency shifter with maximum output power 0.75 kW.
- Digital control of regulation and position of the door.
- IP55 protective box in ABS plastic material to mount in places with positive temperatures.
- Protected with the use of class II equipment and reinforced insulation.
- Display viewer on the case for ease of use when the case is closed.



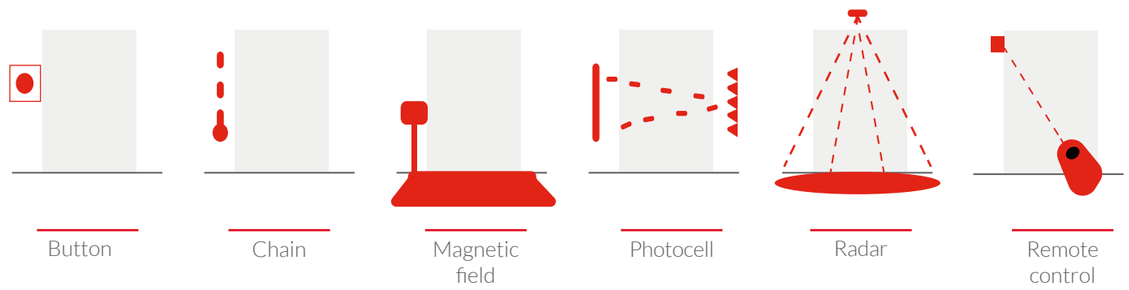
High speed refrigerated door T+0º/ -20ºC self-repairing



Kavidoors single canvas high-speed refrigerated doors are specially designed as a solution to **limit condensation in refrigerated rooms with a high load of humidity** and its access.

Use for refrigerated rooms for **chiller rooms (+0 ° C) and freezer rooms (-20 °C).** Withstands temperatures down to -25 °C. Self-healing function.

Opening options:



Pre-installed door
Door pre-installed and with all the hardware.

Closing
Closing with climatic and sanitary guarantees by using a canvas system without reinforcements and a hermetic guide.

Opening/closing speed
Opening and closing with speed shifter: maximum opening speed of 1.2 m/s.

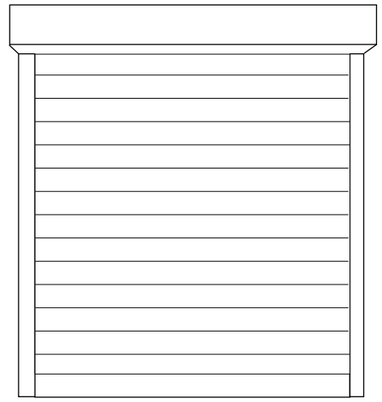
Durability
Quality materials, offering great resistance and durability. Self-healing system.

Safety
It complies with the safety standards required under EN13241-1 and complies with class 3 for wind resistance.

Easy assembly
Easy programming and regulation. Low maintenance.

Options

- White lacquer.
- UL configuration.
- High speed door with integrated air curtain.
- Opening timer.
- Door with all components in 304 stainless steel.



Structure

Guides of anodized aluminum with gaskets of polyethylene and low-wear for **superior insulation.**

Stainless steel lintel with a dynamic lintel system to adapt to the canvas and **thus avoid the passage of air and loss of temperature.**Support console and fixings.

Canvas

Canvas without sight glass of 7 mm with thermal transmittance of 3.3 W/m^{2}K. **Double heating system in guides, motor and canvas to prevent the forming of ice** in freezing chambers. The canvas and motor withstand temperatures down to 25 °C below zero.

Safety

The door has an emergency switch inside, adapted to low temperatures, and outside. For **freezer rooms**, the door has a **transmitterreceiver photocell incorporated in the guide** so that the condensation does not cause false positives. Availability of photocell system in the lintel for **anti-crushing safety** with return. SOFT EDGE lower profile canvas.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.



Motor

- 3x380/400 VAC+N+PE, 90 rpm motor.
- IP65 protection.
- Power: 0.55 KW.
- The speed of the door depends on the dimensions.
- Temperature control integrated in the connection plate.
- 60 N/m.
- Thermal sensor: -80 °C.

Control panel

- Digital control of regulation and position of the door.
- IP54 protective box in ABS plastic material for placement in places with positive temperatures.
- High quality terminal set for external connection.
- Connection to 220 V. 1P+N+T.
- Display visible from the cover.
- Possibility of programming external to the panel.



No Frost system
Prevents the forming of ice.

Insulation
High insulation.

Energy cost
Energy cost reduction. Economic savings.

Temperature
Minimum temperature loss when opening the door up to 25 °C.

High speed canvas refrigerated **double** door



The Kavidoors double canvas refrigerated high speed doors with heating are **designed for negative temperature environments down to -30 ºC**.

The air recirculation system contributes to the elimination of condensation and ice both in the door as well as in the freezing rooms with a high level of humidity. **Self-healing function**.

Double canvas door

The two 5 mm isothermal canvases open and close simultaneously.

The **hot air** that is introduced between the two canvases through a tube located at the bottom is internally recirculated in a closed circuit. This **tends to rise**, so the door has an **extractor** in the lower part that **sucks it in and recirculates it** to also cover this area. Closed circuit. In addition to the extractor, the **interior of the lintel** is completely **thermally insulated** and both the lintel and the feet are entirely covered with insulation, the latter being heated.

Thanks to this system it is guaranteed that the **air** that is exchanged between the antechamber during the openings **has a low level of humidity, which prevents condensation and the formation of ice.**

Safety

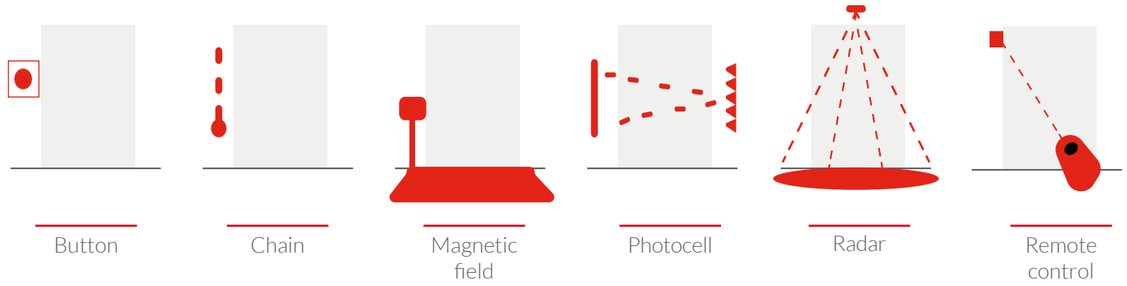
The door has **photocells at three heights and a protection system for the entire route**. Furthermore, the **risk of accident is minimal**, since the lower part is not rigid but soft, with high and safe energy dispersion; so, in the event of a mishap, the damage would be nonexistent due to the material used.

Inductive limit switches as a complement to the limit switch by encoder, which is the most common. If an electronic overload occurs and the limit switches fail, the **inductive ones will act as a stop function**, providing the door with **double safety when stopping**.

Colors

We have **a wide variety of RAL colors** to meet the needs of each client.

Opening options:











Energy cost reduction
Option of automatic regulation by thermostat.

Safety
Minimal accident risk. Better safety.

Power
It requires a lower power than in air heating systems.

Energy efficiency
The built-in energy efficiency module adjusts to the energy cost based on the actual ambient temperature.

High speed self-repairing clean room roller door



Kavidoors clean room high-speed roller doors provide a solution to the **partitioning of work areas, especially between the "clean" and "dirty" areas** through a "lock" system with high traffic and **the need for quick opening and closing operations**. If it receives an impact, the canvas comes out of the guides without suffering any damage and then returns to its original position.

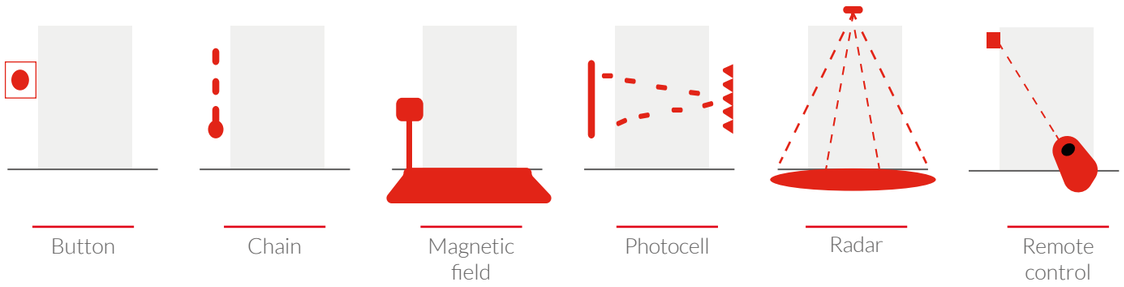
Motor

- 3PH 230V/400V power supply VAC+PE, 160rpm, IP54.
- Opening and closing speed: 1.2 m/s.
- Power: 0.55 KW.
- Electronic limit switches.
- Low noise level gears.
- 35 N/m.
- Encoder positioning. Option to incorporate electronic detectors.
- Motor cover.

Control panel

- Single-phase connection 1x230 VAC+PE at 50-60 Hz and with frequency shifter.
- Digital control of regulation and position of the door.
- IP56 protective box in ABS plastic material to mount in places with positive temperatures.
- Protected with the use of class II equipment and reinforced insulation.
- Display viewer on the case for ease of use when the case is closed.
- Closing delay from 0 to 99 seconds at positive temperature.
- Adjustable acceleration and deceleration ramps.

Opening options:







Options

- All elements in stainless steel (guides, lintel, console, feet and screws).
- Anodized aluminum structure.
- Uninterruptible power supply single phase 1200w (UPS).
- Flashing beacon/marker.
- Reduced lintel.
- Lock system between several doors through a programmable switchboard.
- Additional or custom sight glasses.

Safety
Control and security for maximum hygiene. Easy cleaning.

Design
EN ISO 14644-1 standard.

Fixing to the ground.
Hidden fixing to the ground.

Easy assembly
Simple and fast installation, programming and regulation with low maintenance. Preinstalled door.

Saving
Savings in time and money.

Safety
It complies with the safety standards required under EN13241-1 and complies with class 2 for wind resistance.

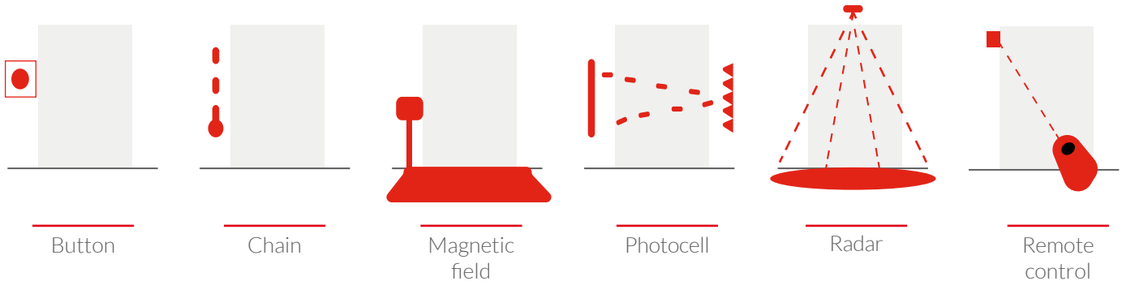
High speed horizontal roller door



Kavidoors high-speed horizontal rollup doors provide a solution to the partitioning of work areas, **both indoors and outdoors. Class 2 wind resistance**.

Prevents the possible entry of dirt or bacteria inside the building. Free up space twice as fast. PVC canvas with large viewing window.

Opening options:



Structure

Galvanized side guides for the entry of horizontal slide rails and winding shafts.
It is guided by two anodized E6/EV1 aluminum bars connected to the trolley.

Colors

Wide variety of RAL colors to meet the needs of each client.

Motor

- Complies with **DIN-EN 12453** standard for "Industrial, Commercial and Garage Doors".
- 3x380/400 power supply VAC+N+PE.
- Power: 0.45 kW.
- Electronic limit switches.
- Super high speed door "Shifter". Opening speed up to 3 m/s and closing speed up to 1 m/s.



Safety

It has an IP67 2000H or 2500H photocell barrier integrated in the guide. Anti-shock system and flashing or rotating light. Interior/exterior emergency button panel and **possibility of manual opening in case of emergency**.

It complies with the safety standards required under the **EN13241-1 standard.** Timer and speed shifter.

Control panel

- Power supply: 1N 230V, PE;3N400V,PE/3. 400 V, PE.
- Frequency of operation 50-60 Hz.
- Voltage 24V.
- Dimensions LxWxH: 155x386x90 mm.
- USB 1 module.
- 1 relay contact.
- IP65 protection.
- DR2100 microprocessor control unit with main switch and integrated 230V/50 Hz frequency converter.
- Screen for menu and display errors.
- Includes emergency switch and triple push button integrated in the steel control panel (IP54).
- Automatic closing with adjustable opening time.

Options

- Automation (Opening options).
- Metallic motor cover.
- Different window configurations.
- White lacquer profiles.
- Emergency UPS system.
- Clean room KIT (motor cover, watertight gasket...).
- Control panel: digital or mechanical limit switch.
- Light signaling.
- Customized corporate canvas design.
- IP65 humidity motor protection.
- Motor in horizontal position.
- Self-healing.
- TRAFFIC guides, luminous lacquer RAL 1026-RAL 2005.

Resistance
High resistance to air. Class 2 wind.

Opening/closing speed
Opening and closing with speed shifter: maximum opening speed of 3 m/s and closing of 1 m/s.

Closing
Closing with climatic and sanitary guarantees.

Easy assembly
Easy programming and regulation.

Durability
Kavidoors high speed doors are made of high-quality materials, offering great strength and durability.

Maintenance
Low maintenance.

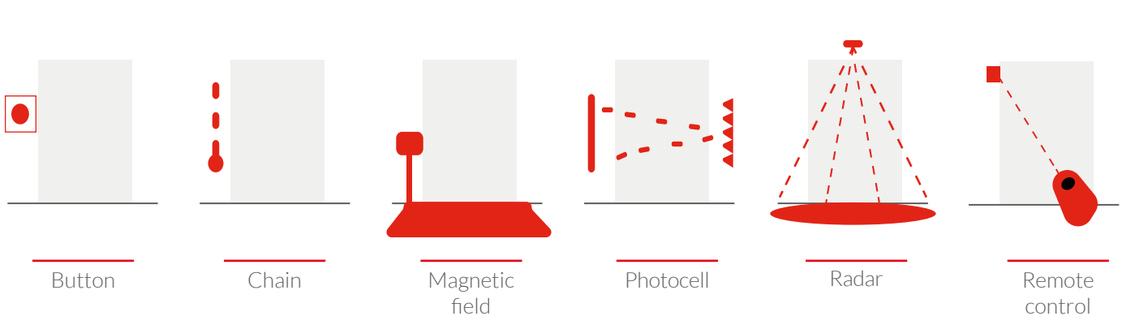
High speed stacking door



Kavidoors stackable high-speed doors provide a solution for the **partitioning** of work areas, both **indoors and outdoors,** with high traffic of people and vehicles with the need for quick opening and closing maneuvers. **Class 2 wind resistance.**

Its application may be in **large recesses** and in any sector of the industry, being important to emphasize the **improvement in the energy efficiency** of the installation due to its actuation speed.

Opening options:



Structure

Side guides and upper drawer made of galvanized steel and lacquered in RAL 7011, provided with side seals.

Configured with a 900 gr/m2 canvas made of polyester fabric with PVC coating on both sides. It has two lines of sight glasses.

Motor

- Three-phase motor with chute system integrated in its gear and limit switches by encoder.
- Speed 1m/s.



Safety

It has a **lower anti-crushing safety band**, motor with chute system, interior/exterior button panel, photocell and lower strip of canvas in yellow and black. It complies with the **safety standards** required under the **EN13241-1 standard**.

Timer and speed shifter. **Reaction to fire**: M2 classification.

Control panel

- Programmable.
- IP65 protection.

Colors

We have a **wide variety of colors** to meet the needs of each client: white 9016, yellow 1003, orange 2004, red 3002, blue 5015, blue 5002, green 6026, gray 7038 and black 9005.



Options

- Automation (opening options).
- Metallic motor cover.
- Different window configurations.
- White lacquer profiles.
- Emergency UPS system.
- Clean room KIT (motor cover, watertight gasket...).
- Light signaling.
- Customized corporate canvas design.
- IP65 humidity motor protection.
- Horizontal position motor.
- Self-healing.
- TRAFFIC guides, luminous lacquer RAL 1026-RAL 2005.

Resistance
High resistance to air. Class 2 wind.

Opening/closing speed
Opening and closing with speed shifter: maximum opening and closing speed of 1m/s.

Closing
Closing with climatic and sanitary guarantees.

Airtightness
The fast and tight closing of the Kavidoors stackable high speed door allows better climate control. Using a canvas system without reinforcements and a hermetic guide, we makepossible a closure with climatic and sanitary guarantees.

Easy assembly
Easy programming and regulation.

Durability
Kavidoors high speed doors are made of high-quality materials, offering great strength and durability.

Maintenance
Low maintenance.

Seguridad
This door complies with the safety standards required under the EN13241- 1 standard and complies with class 2 for wind resistance. The motor complies with the DIN-EN 12453 standard for “Industrial, Commercial and Garage Doors.

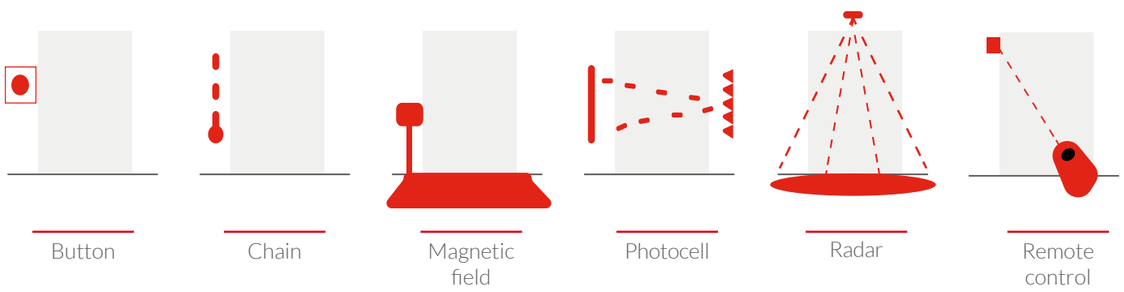
High speed spiral door



Kavidoors spiral high-speed doors are designed to be installed in those **places where high thermal insulation and high opening and closing speeds are required**.

Possibility of application both indoors as well as outdoors on facades in sectors such as logistics, food, automotive, industry or transport.

Opening options:



Options

- Acoustic insulation of the guides.
- Flashing or rotating light.
- Pulse transmitters.
- Aluminum panels with glass or ISO.
- Without spring system.
- Drive/bale cover.
- Induction loop.
- Radio control (remote control).

Frame

Upper, lower and side frame designed in anodized E6 / EV1 aluminum. RAL color paint option.

Panel

The door leaf is made of **40mm thick PIR foam filled ISO panels**. The slats are attached to a hinge chain and guided vertically.

Guides

Pre-finished, durable, self-supporting and galvanized rails with integrated spiral console.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.







Logistics processes
Improve workflows and logistics processes.

Resistance
Resistance against class 3-4 wind loads and impacts. Resistance up to 6,000x6000 mm and more than 500,000 cycles.

Saving
Energy saving.

Customization
Customized design.

Low maintenance
Low maintenance and easy to replace.

Opening and closing speed
High opening and closing speed:
opening up to 2.5 m/s and closing up to 1 m/s.

Insulation
High thermal insulation.

Guided
Low-wear, quiet guiding operation.



07 LOADING DOCKS

- Insulated slat roller shutter — 96
- Sectional door — 98
- Retractable dock shelter — 100
- Inflatable dock shelter — 103
- Standard hydraulic ramp — 106
- Smart-Dock — 109
- Telescoping ramp — 112
- Vertical ramp — 115
- Mini ramp — 118
- Truck restraint — 120
- Loading dock accessories — 122

Insulated slat roller shutter

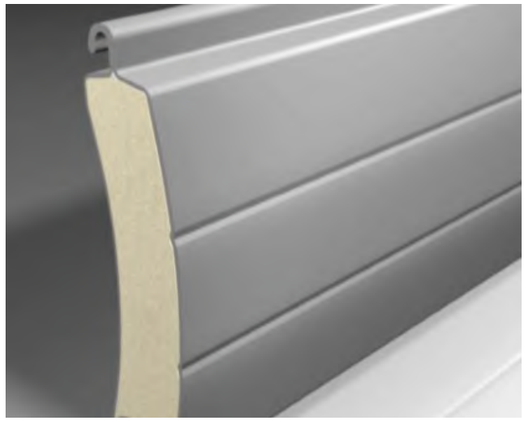


Kavidoors insulated louver roller shutter are designed to **separate and isolate different work areas with acoustic and thermal changes**.

Ideal for the airport, logistics, automotive, agri-food or transport sectors.

Opening options

- Remote control.
- Infrared ceiling/ceiling handle.
- Radar with person-machine discrimination and lateral traffic.
- Photoelectric push button.
- Fingerprint sensor.
- Code keypad.
- Access control cards.



Structure

Shutter made with **insulated profiled aluminum slat fabric** of 75x20 mm. The **side guides** are made of anodized extruded aluminum with brushes to obtain a **higher degree of tightness**.

The **guide** wheels have a special low-friction finish for **minimal noise and maximum durability**.

Motor

- Extruded aluminum metal winding drum.
- Lateral shaft drive with chute.
- Electronic limit switches with programming of opening and closing positions at the foot of the shutter.

Safety

Activation in person-present maneuver at closing and automatic at opening.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.



Options

- Automatic closing.
- Frequency shifter for speed control with acceleration and braking ramps on opening.
- Lacquer chassis in the same color as the slats.
- UPS: Uninterruptible Power Supply.

Easy assembly
Quick and easy installation with low maintenance.

Durability
Maximum reliability, durability and safety.

Opening and closing
Rapid opening and closing. Noise reduction.

Lifespan
Long lifespan.

Design
Compact and simple design.

Saving
Space and cost savings.

High resistance
Great thermal and wind resistance.

Anchors
Absence of anchors to the ceiling.

Sectional door



Sectional doors are a perfect solution for air-conditioned business premises thanks to the **energy saving** that their **insulating capacity** ensures.

They open vertically upwards, moving the panels below the roof horizontally. **Thanks to this it will always be possible to install them** regardless of the space available.

Safety

All the doors comply with standard **DIN EN 13241-1**. With systems that stop the door falling when springs break, as well as a system to stop fingers being jammed, both inside and out.

Adaptable

This model has **several opening possibilities** to achieve maximum use of space.

Confort

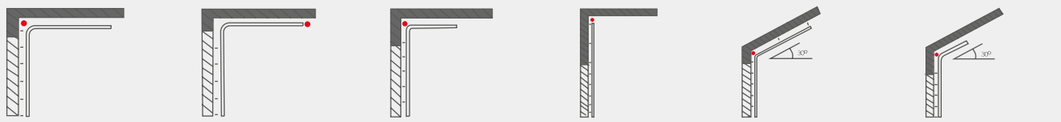
Effective thermal and acoustic insulation thanks to its insulating core of polyurethane and the sealed joints between panels for garage doors.

Customisable

There is a wide **variety of panels, textures and colours**, in order to choose the industrialdoor that best suits your tastes and requirements.



Elevation types



Horizontal | Rear dock | High envelope | Vertical | Inclined | Inclined high envelope

Durability

Double-walled sheet steel panels galvanized separated by an insulation of Polyurethane foam.

They also have an insulating core of rigid foam of CFC-free polyurethane, with an average density of 40 kg / m^3 and EPMD sealing gasket, which provides **impermeability and tightness between the joints.**



Elevation types	• Weight compensation through an assembly of torsion springs. • Safety device against spring breakage. • Cable drums and side loading cables. • Safety device against cable breakage. • Springs are powder-coated and painted in blue for a better response to fatigue and improved rustproofing.
Guide type	• Of galvanised steel with a reinforced side bracket with a side trim support.
Door panel	• Double-faced panels of galvanised steel with intermediate thermal and acoustic insulation of polyurethane foam 40 mm thick. Standard heights of 500 and 610 mm. • Interior and exterior sheeting with stucco embossing. • Interior of the panels reinforced for lasting grip of side and central hinges. • Anti-finger-jamming system in the joins between panels accordingto European standard EN 12604. • High-quality EPDM rubber on the top and bottom of the panel to provide impermeability and air-tightness.
Fittings	• Of galvanised steel.
Reinforcements	• Double hinges and support brackets for widths greater than 5 metres.
Quality	• According to the European standard UNE –EN 13241-1.

Retractable dock shelter

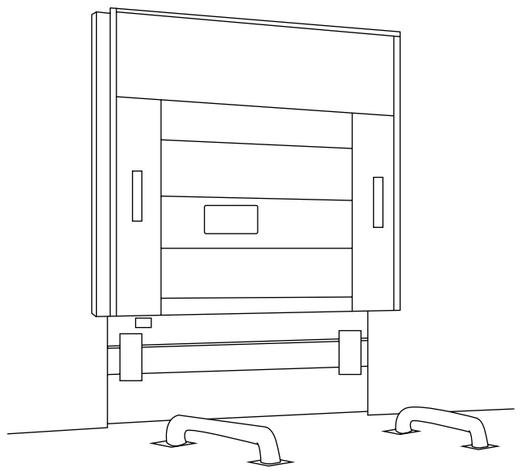


Kavidoors retractable dock shelters provide great **weather protection**. They adapt to different types of trucks and goods, and to the building's degree of exposure to the outside.

They prevent the passage of air, water or gases and provide **great energy savings**. Thanks to its retractable structure with vertical movement, if a truck performs an incorrect manoeuvre, the shelter can pivot upwards to prevent damage to the truck and to itself. Resistance to moisture, to abrasion and to the ageing caused by sunlight.

Technical characteristics

- **Structure** with an anodised extruded aluminium frame and a rear frame of galvanised steel.
- The structure is covered by a continuous single piece of retractable. So it avoids cracks, leaks and air currents from escaping between the top and sides. Rainwater drains off over the sides of the dock shelter, so that no water can filter in during loading when the dock is open.
- **The frames** are connected to each other by arms. In the case of an uneven coupling, the dock shelter can pivot upwards to avoid damage to the shelter or to the HGV. In reverse, the HGV backs towards where the upper panel is positioned, fully accessible to the internal loading means.
- **The retractables are manufactured of polyester fibre covered by an upper layer of PVC**. The special fabric of the sides makes them more flexible longitudinally while keeping their rigidity width-wise. The side retractables are fitted with warning bands to guide the driver when backing the HGV.



Dimensions

Kavidoors retractable dock shelters adapt to the **standard dimensions of HGVs, with standard dimensions of 3 400 x 3 400 mm**.

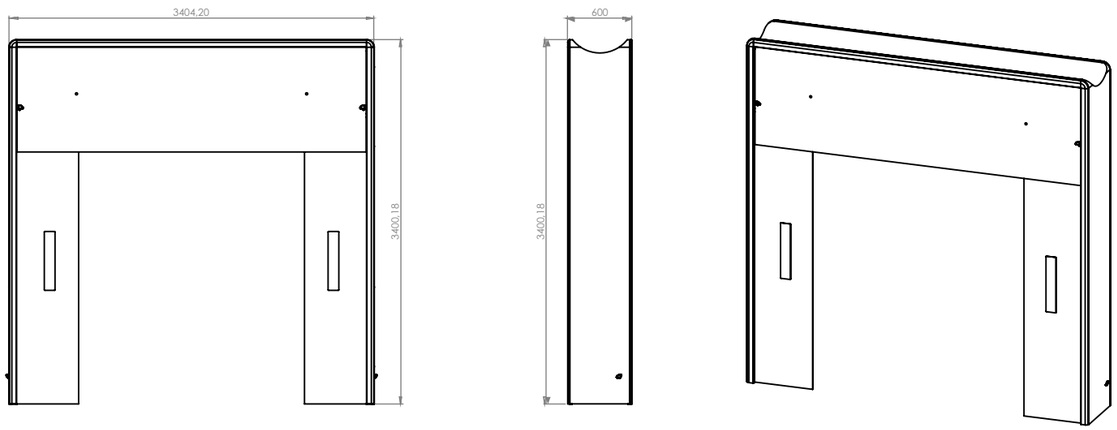
Width	3.400 mm
Height	3.400 mm
Depth at front	600 mm
Width of side retractable	600 mm
Width of top retractable	1.000 mm
Thickness of the front covers	3 mm
Width of assembly, over the truck	500 mm
Weight of screens	3.000g/m^2
Standard colour	black

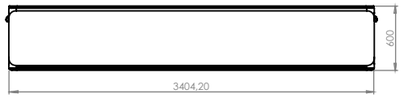




Inflatable dock shelter

Plans





Retractable characteristics		Top retractable	Lower retractable
Total weight (gr/m²)	DIN EN ISO 2286-2	3.000	3.000
Base fibre	DIN ISO 2076	PES/PVC	PES/PVC
Fibre	DIN ISO 9354	P 2/2	P 2/2
Covering	FRONT	PVC	PVC
Resistance to traction	DIN EN ISO 1421	7.800/5.600	7.700/4.700
Resistance to tearing	DIN 53363	800/750	1.000/650
Resistance to cold	DIN EN 1879-1	-30ºC	-30ºC



The Kavidoors inflatable dock shelter **protects from cold, wind and heat.** It establishes an **airtight seal between truck and warehouse**, making it an essential link in the transfer of perishable products that need to maintain the cold chain. **Maximum thermal and hygienic insulation and great energy saving**.

At Kavidoors we have **two models** of inflatable shelters: standard and plus (with bellows and guides). The latter has a faster inflatable cushion retraction rate and adapts to different transport vehicles.

Technical description

- The **flaps** are made of polyester fibre with a top layer made of PVC. The special fabric for the sides makes them more flexible lengthwise, while maintaining rigidity in the width.
- The **side flaps** are equipped with warning bandsthat guide the driver when the truck is approaching.

Operation

When a truck stops inside the shelter, the motor can be **activated and the gap between** the wall of the **warehouse and the truck becomes completely sealed**. The cushions are kept under pressure throughout the loading or unloading process.

On finishing, they are deflated by pressing the button. **The top cushion is rolled up and unrolled** using a tubular motor, **and the sides by means of the retraction system**. When this process is complete, **the truck is able to exit** the platform and the dock freely.

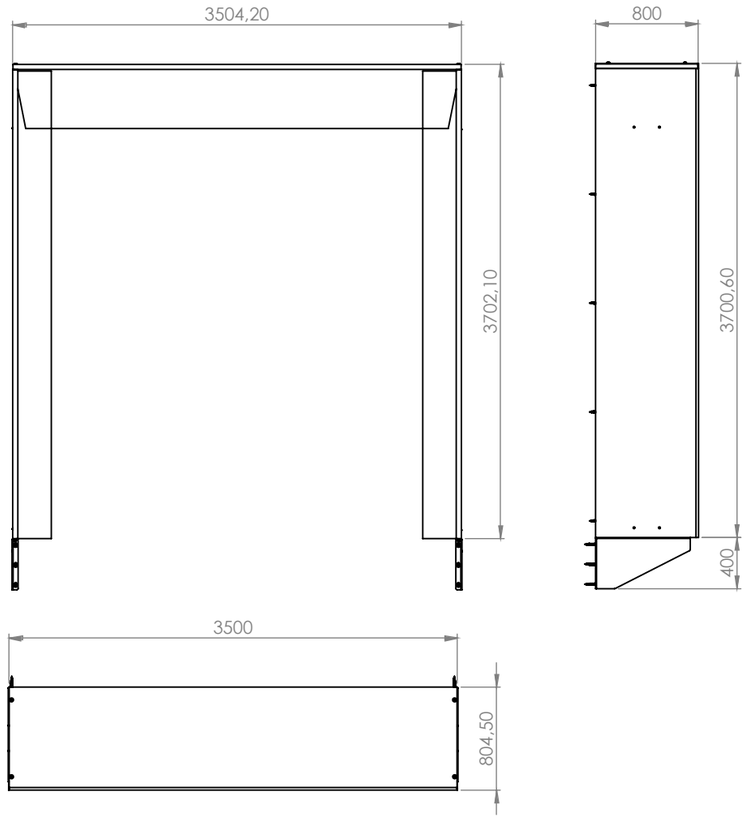


Dimensions

Normative	CE
Width	3.510 mm
Height	3.715 mm
Frond depth	815 mm
Protection tabs Side width Top hight	381 mm
Inflation duration	About 30 sec.
Deflated duration	About 40 sec.
Control panel protection rating	IP 65
Supply voltage	Monof 220V/50-60 HZ/0,37 Kw
Use temperature	605 mm



Plans



Dock shelter plus

The **Plus Inflatable dock shelter** is Kavidoors shelter **with bellows and guide**. It is especially **recommended for logistics centers with high traffic**, since it has a higher inflatable cushion collection speed than the usual inflatable. In addition, **it is capable of adapting to the size of the vehicle** that will carry out the loading and unloading in the warehouse, therefore, this model is suitable for all types of transport.

It is the ideal solution for warehouses that require greater tightness, have high merchandise traffic and different models of transport vehicles.





Standard hydraulic ramp



The Kavidoors standard hydraulic dock leveller is the solution that is **suitable for any loading dock**.

It is characterised by its strength and safety. It's the fast, economical and easy way to manoeuvre in order to overcome the differences in level between the loading dock and the truck bed. It has a **hinged lip** that allows the lip to adapt perfectly to the truck.

Static load capacity	9.000 kg
Dinamic load capacity	6.000 kg
Power supply	400V three-phase
Consumption	2A
Hydraulic group power	1,1 kw (1,5 CV)
Service pressure	170bar
Flow	2,2cm 3/s
Colour	Standard: black RAL 9005. Possibility galvanized.

Technical description

- **The platform** is manufactured in 5/7 diamond plate with a lifting cylinder and a cylinder for the folding lip, which is manufactured of 13/15 diamond plate with a 400 mm overhang.
- **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200ºC.
- **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) –400 three-phase engine, with a self-levelling system.
- **Lifting cylinder** with a non-return valve to avoid the dock falling abruptly.
- **Resistant** to temperatures from **-20ºC to 50ºC**.
- **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.







Components

1 **Sturdy folding lip** hinge reinforced with gussets and 24-mm shaft.

2 **Platform with 10 structural tubes** that guarantee the dock leveller's resistance and durability, avoiding deformations.

3 **Cylinder for the folding lip**. This guarantees control of the lip movement with total safety and firmness.

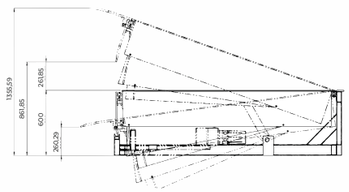
4 **Reliable safe operation**. Cylinder equipped with an emergency non-return valve to ensure safe and balanced operation.

5 **Reinforced hinges**. Hinges reinforced with gussets.

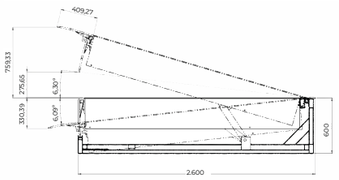


Hydraulic dock leveller plan

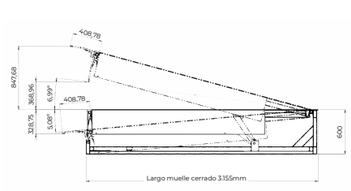
2.000x2.155 mm dock



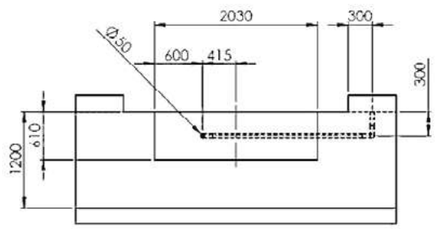
2.000x2.600 mm dock

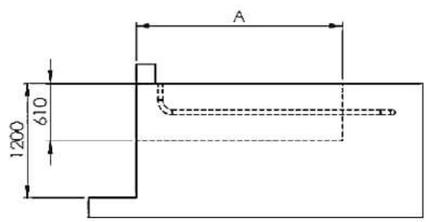


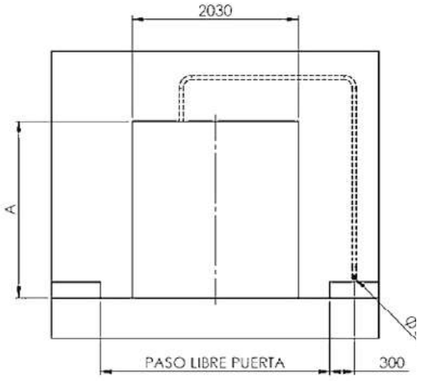
2.000x3.155 mm dock

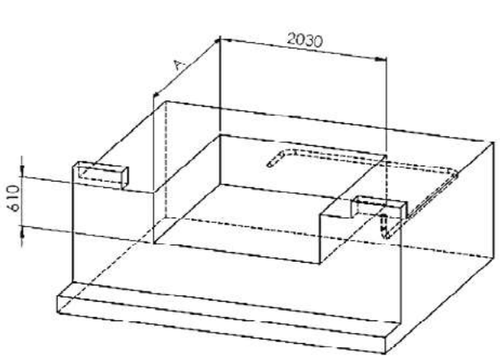


Pit dimensions









Dimensions (mm)			
Dock leveller	Pit		
	Width (W)	Lenght (L)	Height (H)
2.000 x 2.155	2.030	2.155	605
2.000 x 2.300	2.030	2.300	605
2.000 x 2.500	2.030	2.500	605
2.000 x 2.600	2.030	2.600	605
2.000 x 2.800	2.030	2.800	605
2.000 x 3.155	2.030	3.155	605

Smart-dock



The Smart-Dock platform aids in implementing new loading and unloading areas in your industrial building.

It consists of a **formwork box** that comes already **equipped with the leveller for the loading dock with the chosen size, already pre-installed in its own pit** and with the wiring ready for operation. The possibilities of human error in the phase of creating the plinth are reduced, assembly times are reduced and **costs are minimised** by dispensing with the construction of the pit. Smart-Dock platforms are r eady to be **used immediately after being put in place.**

Technical description

- **A structure in the form of an enveloping metal recess**, resistant to having concrete laid against it on site. Galvanized finish.
- **Hydraulic dock.**

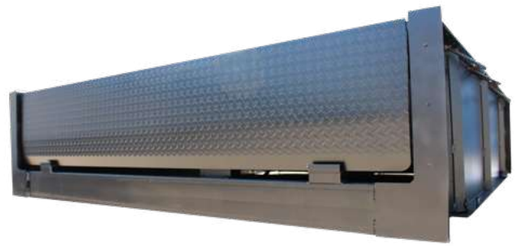
  The platform is manufactured in 6/8 diamond plate with a **lifting cylinder** and a **cylinder for the folding lip**, which is manufactured of 13/15 diamond plate with a 400 mm overhang.

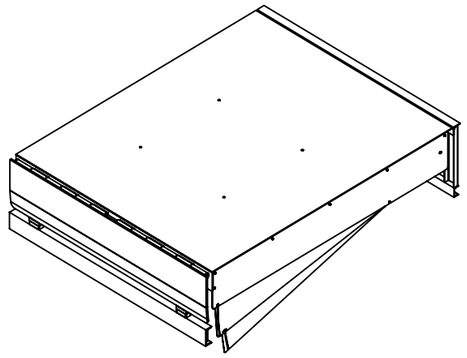
  Full rustproofing and powder-sprayed with polymerised paint baked-on at 200°C.

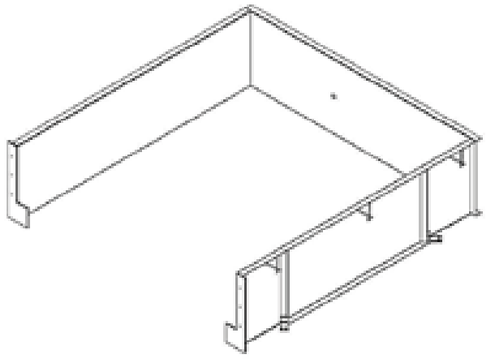
  Hydraulic group with motorization and auto leveling system.

  Lifting cylinder with a non-return valve to avoidthe dock falling abruptly.

- **Resistant** to temperatures from **-20°C to 50°C**.
- **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.







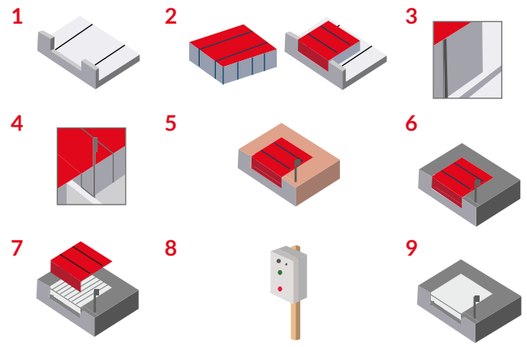
Smart-Dock + hydraulic leveller	
Static load capacity	9.000 kg
Dinamic load capacity	6.000 kg
Power supply	400V three-phase
Consumption	2A
Hydraulic group power	1,1 kw (1,5 CV)
Service pressure	170bar
Flow	2,2cm 3/s
Colour	Standard: black RAL 9005. Possibility galvanized.

Characteristics

- **It does not need a work pit.** As it has its own metallic structure to be placed on site, it does not require erecting lateral or rear walls to locate the dock.
- **Clean and solid front finishes.** Fit perfectly in the hollow of the front wall, disguising imperfects around the new pier load.
- **Greater robustness against frontal impacts** of vehicles. When making the formwork against the. The Smart-Dock's enclosing metal structure is completely embedded in the work throughout its entirety perimeter.
- **Quick and easy assembly.**
- **Greater solidity and more durability** than conventional pit springs. At first glance it is a spring conventional but with side walls. Kavidoors manufactures the Smart-Dock with the same components than those of your hydraulic spring conventional.
- **Ready for immediate use** with the construction finished, the protective elements that surround the Smart-Dock are removed and the control panel is tied to where the electrician has brought the electric current.
- **Formwork box option for hatch.**

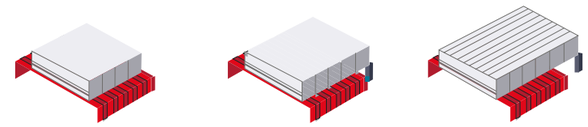
Installation process

1 Preparation.
2 Download and location.
3 Anchorage.
4 Fixing of the connection mast.
5 Filling and compaction.
6 Solera.
7 Removing the cover and mounting the rubber stops.
8 Electrical installation.
9 Installation finished.



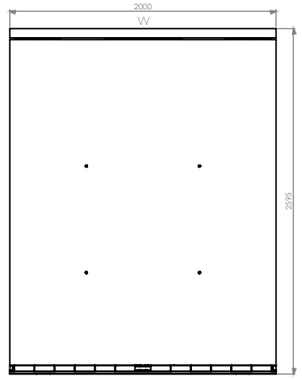
Formwork box

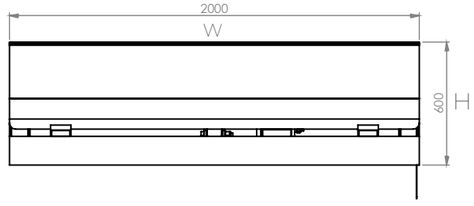
- Formwork box for hatch.

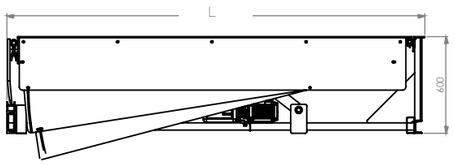


SD 2000 SD 2500 SD 3000

Plans and dimensions







Dimensions (mm)	
Smart-dock (W x L x H)	**Reference**
2.000 x 2.155 x 600 mm	0101BG0301000
2.000 x 2.300 x 600 mm	0101BG0307000
2.000 x 2.600 x 600 mm	0101BG0302000
2.000 x 2.800 x 600 mm	0101BG0308000
2.000 x 3.155 x 600 mm	0101BG0303000
6' x 8' x 500 mm	0201BG0202000

Telescoping ramp

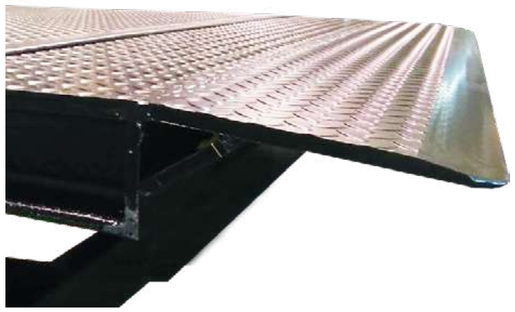


The **telescopic hydraulic dock leveller** has a retractable lip that aids **safe unloading into trucks, even when the goods are at the edge** of the truck bed.

Thanks to its retractable lip, **it can get to places where the standard leveller cannot reach**. In addition, it allows greater attachment to the bed of the vehicle. This loading dock leveller is designed for installations where **thermal insulation is an issue**, both inside and outside.

Technical description

- **The platform and lip** are manufactured from high-quality diamond plate: The platform is manufactured of 8/10 diamond plate, while the telescopic lip is 13/15 plate.
- **The lip is reinforced by 8 profiles**. The rear part of the platform is attached by two hinges to the lower frame.
- **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200°C.
- **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) – 400 V, three-phase engine, with a self-levelling system.
- **Lifting cylinder** with a non-return valve to avoid the dock falling abruptly.
- **The telescopic lip** is operated by a double-action cylinder.
- **The hydraulic system** is totally sealed to stop dirt, dust or sand entering.
- **Resistant** to temperatures from **-30°C to 50°C**.
- **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.

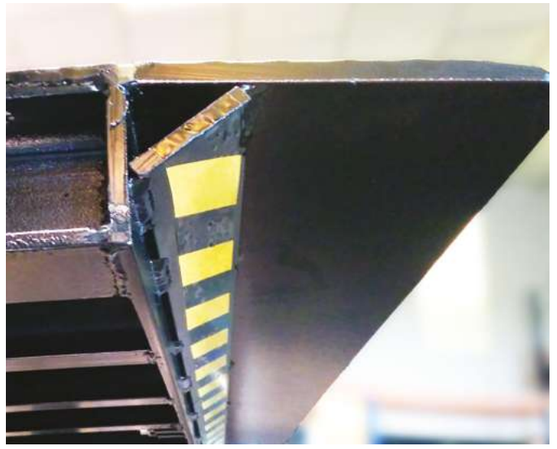


Controls

With the **four-button control panel**, each movement of the platform, as well as the telescopic lip, can be directed at each position. Both parts of the hydraulic action can be independently activated.

Handling is simple: continuously pressing the platform button moves the platform from rest to its raised position until the desired loading height is achieved. With the help of the lip button, the lip immediately slides over the vehicle floor until it reaches the desired position.

By releasing the platform button the lip descends directly onto the vehicle's interior floor. After the loading and unloading process, the dock can



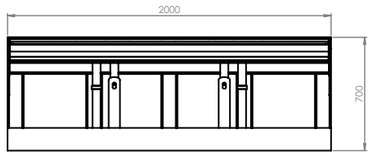
Static load capacity	9.000 kg
Dinamic load capacity	6.000 kg
Power supply	400V three-phase
Consumption	2,5A
Hydraulic group power	1,1 kw (1,5 CV)
Service pressure	100bar
Flow	2,2cm 3/s
Colour	Standard: black RAL 9005. Possibility galvanized.

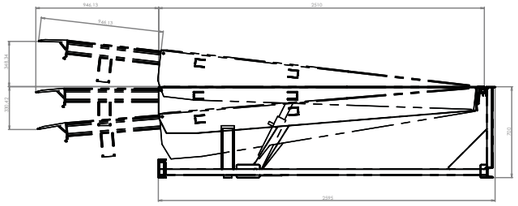
Standard safety devices

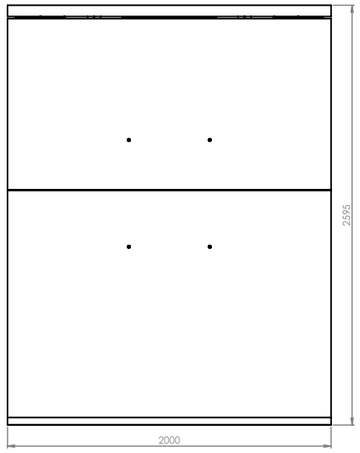
- Fully hydraulic **safety stop**.
- **Emergency stop button** with restart fuse.
- Motor safety with a **thermal relay**.
- A **sturdy adjustable support foot** for cross traffic.
- Black and yellow **safety mark**.
- **Maintenance support**.

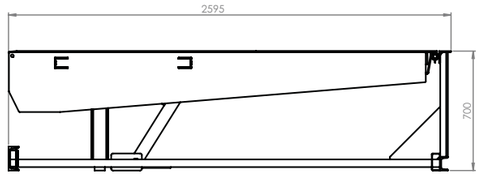


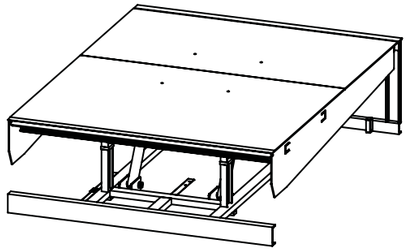
Plans







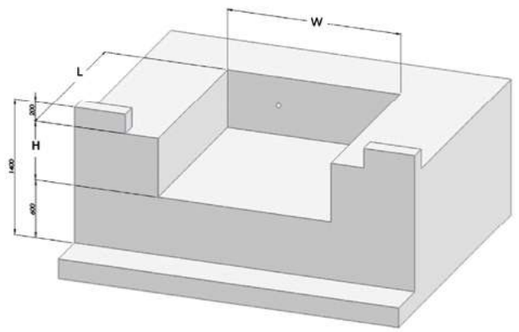




Ramp dimensions (mm)

Leveller (width + length)	Lip	Reference
2.000 x 2.600 mm	1.000	0103A0302000
2.000 x 3.155 mm	1.000	0103A0303000

Pit dimensions (mm)



Dimensions (mm)			
Leveller	Pit		
	Width (W)	Length (L)	Height (H)
2.000 x 2.600	2.030	2.600	700
2.000 x 3.155	2.030	3.155	700

Vertical ramp



The vertical leveller for loading docks is the **ideal solution for locations that require a strict temperature control and high levels of cleanliness**.

When not in use it stands upright, allowing the truck doors to be opened from within the edifice. Thus, it avoids breaking the cold chain and facilitates loading and unloading operations in the logistics center. Together with other components, such as inflatable shelters or sectional doors, a degree of protection of between 96 and 98% is guaranteed.

Technical description

- **The platform** is manufactured in 6/8 diamond plate and the fixed lip in 13/15 diamond plate.
- **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200ºC.
- **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) – 400 V, three-phase engine, with a self-levelling system.
- **Lifting cylinder with a non-return valve** to avoid the dock falling abruptly.
- **Resistant** to temperatures from **-30ºC to 50ºC**.
- **Water-resistant electrical control panel** IP55 fitted with an emergency stop button.
- **Easy to operate**. The control panel allows simple and efficient operation in a sequential manner, saving on loading and unloading time.
- The Kavidoors dock leveller **reduces energy loss in refrigerated vehicles,** making them an ideal solution for refrigerated trailers and installations that demand rigorous health standards such as the food and beverage or pharmaceutical sectors.
- When not in use, the leveller is stored vertically, there by enabling **the sectional door to be closed completely down to the ground**.



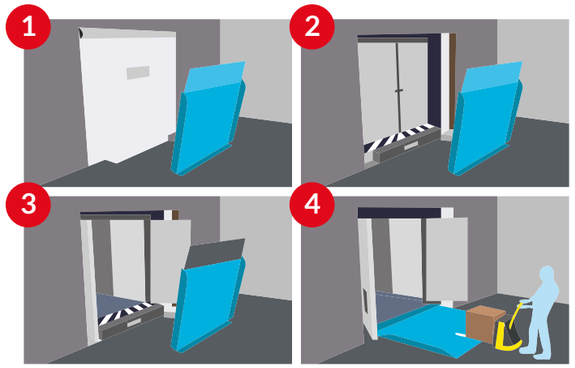
Application

1 This is positioned vertically so that the door remains closed.

2 The HGV doors can remain closed and the driver does not need to leave the cabin.

3 The dock operator opens the vehicle doors from inside the building and lowers the dock leveller until it reaches the ideal position.

4 The loading and unloading process is undertaken as on a conventional dock.



Static load capacity	9.000 kg
Dinamic load capacity	6.000 kg
Power supply	400V three-phase
Consumption	2 A
Hydraulic group power	1,1 kw (1,5 CV)
Service pressure	170bar
Flow	2,2cm 3/s
Colour	Standard: black RAL 9005. Possibility galvanized.

Safety specifications

1 The **non-return valve** on the cylinder prevents the platform from falling in the event of the rupture of a hose or failure of the hydraulic solenoid.

2 The **side baseboards** are high-visibility to comply with regulations.

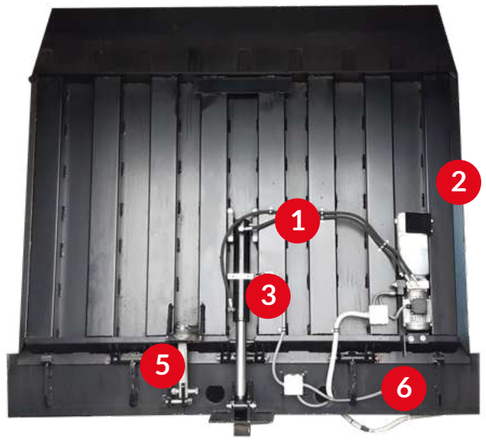
3 **Sensor indicating position.**

4 Safety side socket.

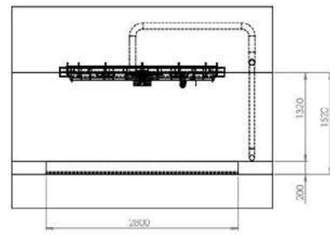
5 **Safety pole** for maintenance tasks.

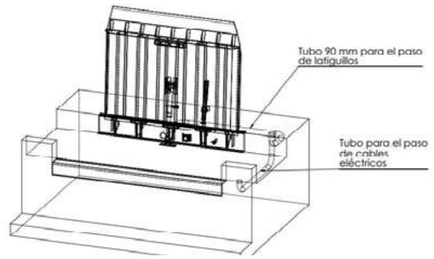
6 **Sensor** that enables the constant levelling of the dock on the HGV facilitating loading and avoiding harsh knocks during transport.

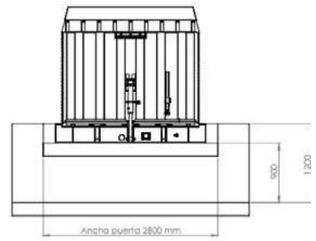
7 **STOP button** on the control station that stops the dock in its current position during an emergency.

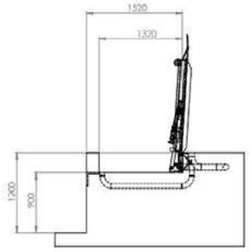


Pit dimensions









Leveller (width + lenght)	Lip	Reference
2.200 x 1.850 mm	400	0106B0101000
2.200 x 2.400 mm	400	0106B0103000



Mini-ramp

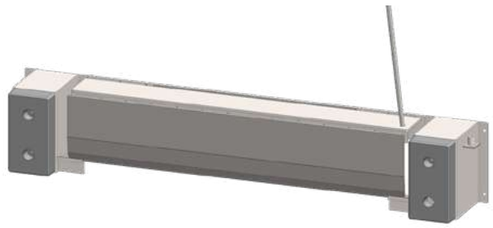


The Mini-Dock or **edge of dock leveller** is the **best loading and unloading option for goods in small spaces**, where installing a conventional levelling ramp is not possible.

No pit required, so no construction work is necessary. This represents a **major financial and production savings** since the loading area remains operational during the days that the construction work would otherwise take in the case of a regular loading dock ramp, and hardly any work time is thus wasted.

Characteristics

- **Does not require construction work** other than the fitting of a metal angle if one is not in place, so it ends up being cheaper than a conventional ramp.
- Its **easy installation and handling** by the operator make it an economical and efficient solution for loading and unloading goods at loading docks.
- Platform and lip manufactured in **13/15 diamond plate**, giving it greater strength and durability.
- **It incorporates two 500 x 250 x 90 moulded rubber reinforcements** to protect the building and the loading dock from damage.
- **A dynamic capacity of 6,000 Kg**.
- **Ease of maintenance.**
- The Mini-Dock is 2,000 mm wide, which makes it suitable for any vehicle except vans . If it needs to be installed in a warehouse where items are loaded and unloaded **with vans or with a vehicle of a width less than 2,000 mm**, we at Kavidoors offer the possibility of **customising the tip and cutting it narrower** (minimum 1,600 mm) so that vehicles of a lesser width than the conventional Mini-Dock can enter.

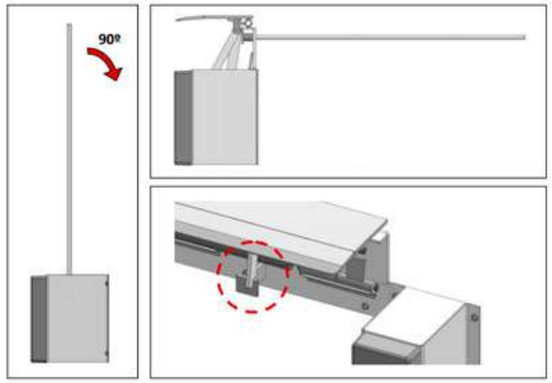


Leveler operation

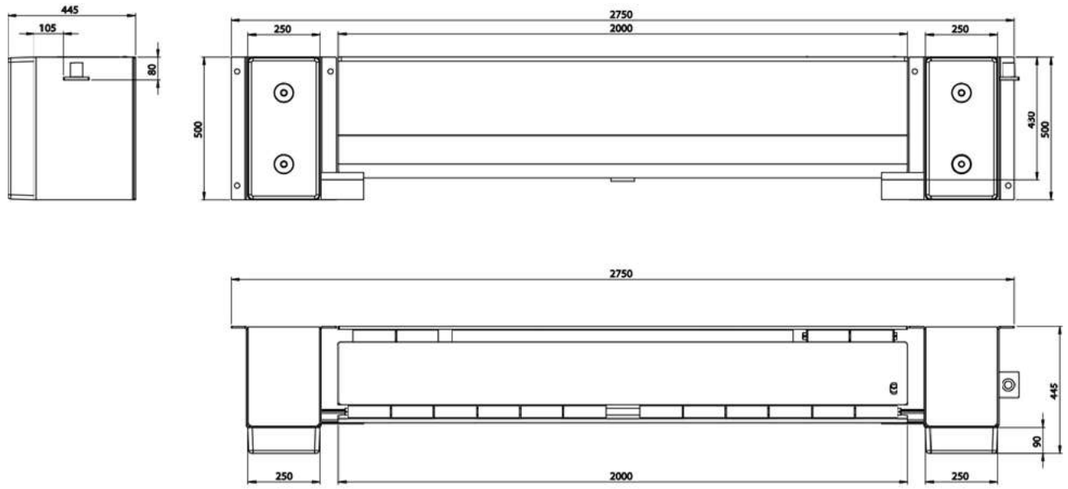
1 **The operating lever** is inserted into the cavity located next to the platform **and then pulled backwards**. The platform will be lifted by springs until it is upright and anchored by the anchor bar.

2 **Pushing the lever forward causes the platform to descend and the lip extends** automatically towards the vehicle.

3 To return to its initial position , the **opposite process needs to be carried out**: pull the lever back so that the platform is raised by the springs until the anchor bar slides in front of the anchor and can descend without any problems. The lever is then pushed forward slowly, so that the platform descends and the lip folds automatically, remaining in its initial position.



Plans



content

Truck restraint



The Kavidoors Wheel-lock vehicle restraints is a trailer locking system that guarantees the immobilization of the vehicle until the loading and unloading process is finished.

It adapts to all types of doors, is compatible with all suspension systems and **has the ability to operate with a wide variety of trucks**, making it easy to apply.

Technical description

- **Horizontal working range**: from 3,000mm up to 5,000mm.
- **Compatible with all suspension systems** (pneumatic, crossbows, etc).
- **70 mm diameter round retaining arm** for prevent the unexpected departure of the truck.
- **It allows the vertical movements** of the truck during loading.
- **Hot galvanized steel components**, protected against corrosion and oxidation.
- **Robust housing built in steel** for protect all internal components against impact breakdowns.
- **Assembled product for floor mounting of concrete**, fixed with metal anchor or anchor chemical.



Includes

- Interior and exterior led lights are standard.
- Two acoustic indicators, interior and exterior.
- An electromagnet.
- Two race finals.
- Integral control panel.

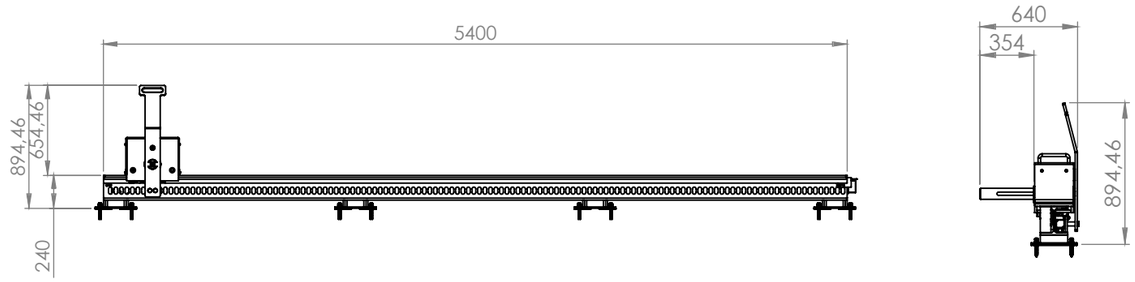




Security

- Interior and exterior traffic lights to keep Users informed about Safety and intended use.
- External alarm integrated in the wheel-lock vehicle restraints. Alert to user of incorrect arm work positions wheel-lock vehicle restraints.
- Internal alarm integrated in the control panel. Alert the user of incorrect work positions of the retaining arm.
- Incorporates a white automatic activation light to illuminate the area ofmovement of the truck.
- Wheel-lock vehicle restraints maneuver synchronized with the door and the loading dock, preventing improper or unplanned use of the loading point.
- Retention arm lock by an electromagnet.
- System to unlock the wheel-lock vehicle restraints in case of emergency.

Plans



Loading dock accessories



At Kavidoors we have the best accessories to make **more efficient, safe and durable charging dock**.

With its installation, the damage that time and the wear and tear of repetitive processes can cause on the loading area is reduced.

Bumpers

Protection bumpers are essential for the durability of the transport vehicle and the cargo area. Allow to cushion the usual bumps that occur in the dock during the approach operations of the truck, protecting the coats or even the facade. In turn, it serves to protect the rear of the trucks and prevent them from being damaged.

They stand out for their **strength and durability**, which is why they are manufactured using materials affected to withstand and absorb the impacts of trucks.

At Kavidoors we have several **models of protection stops: steel, rubber, square and mobile**.

Steel bumper

The Kavidoors steel bumper consists of a **12 mm steel** plate surface that inside **contains 2 rubber stops**, independent of each other, thereby giving maximum stability and safety at the moment of contact with the HGV.

- 12mm sheet steel.
- 2 independent rubber stops.
- Dimensions: 400x250x100 mm.
- Ref: 0701A0105000.
- Ready to be weld or screw.
- Rustproofing and cold galvanized.



Mobile steel bumper

This is a **metal stop that can move vertically** in tune with the transport vehicle, thanks to the spring inside.

The main advantage is that it significantly **reduces the wear of the stop** by reducing friction with the vehicle.

- 12mm sheet steel.
- 2 independent rubber stops.
- Dimensions: 500x250x110 mm
- Ref: 0701A0103000.
- Ready to be weld or screw.
- Rustproofing and cold galvanized.
- Bumper compression spring.



Bumper square

The **Kavidoors square rubber stop** consists of a rear support of galvanised steel and a surface of tough black rubber.

- Dimensions: 250x250x100 mm
- Ref: 01010101050.
- Ready to be weld or screw.
- Rustproofing and cold galvanized.



Rubber bumper

The **Kavidoors rubber bumper** is highly resistant. This is the classic and most commonly used HGV stop in basic standard installations.

- Dimensions: 80x500x80 mm.
- Ref: 0101A0101027.
- Ready to be weld or screw.



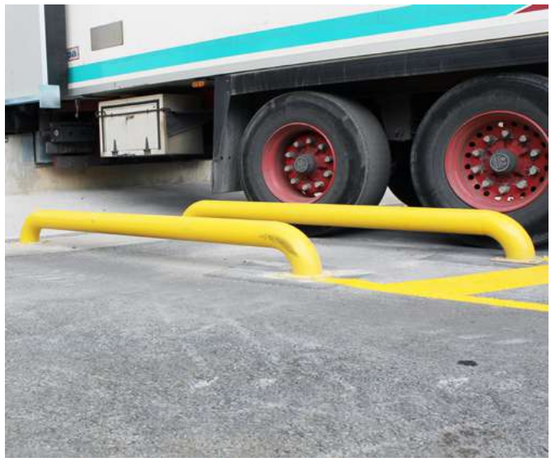
Wheel guides

The **wheel guides or truck guides help the driver during coupling**, making it easier for the truck to position itself straight at the loading and unloading point.

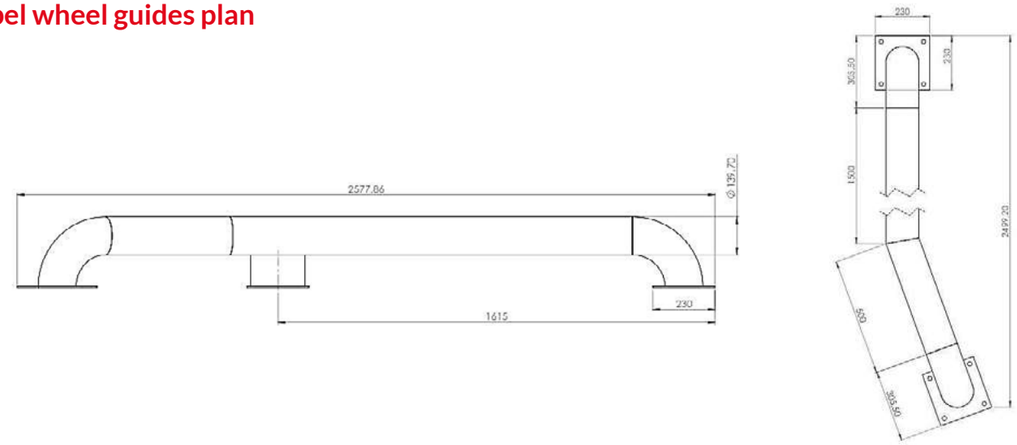
Thus avoiding damage to the vehicle, the leveller and the dock shelter, and ensuring an efficient seal.

Characteristics

- We have two types of wheel guides: open or straight, depending on the needs of the loading area.
- Ready to be weld or screw.
- Anticorrosive finish in yellow or hot-dip galvanized.



Opel wheel guides plan





Traffic lights

The Kavidoors traffic light is ideal for loading dock installations. Color lights **indicate to the driver the possibility of maneuvering during unloading**.

Characteristics

- Led technology allowing savings in operating and maintenance costs.
- Card with two groups of LEDs (red and green).
- It has two supports that allow the traffic light to be oriented within a range of 200º in fractions of 3º.
- The traffic light needs a control to change from red to green light.



Spotflights for docks

The installation of a spotlight on the loading dock will allow the **vehicle to be illuminated** during the process of loading or unloading the merchandise, **avoiding unnecessary accidents** due to the lack of lighting.

For the safety of a loading dock and the optimal visibility of the workers in the performance of their functions, it is necessary to have light bulbs that offer good lighting in the workspace.

Kavidoors Led Spotlights provide brighter light inside the trailer, helping to create a safe work environment with **minimal power consumption**.

Dock light DM01 LED	
Total arm lenght extended	1000 mm
Adjustment radius	180º
Built in safety power supply	24/20V
Steel profile	40 x 30 x 2 mm
Power supply cable	2x1 mm
Power supply cable lenght	1500 mm
Light intensity	1500 Lm
Electricyty socket	Single phase 220V

Characteristics

- LED technology, allowing savings in operating and maintenance costs.
- Card with two groups of LEDs (red and green).
- It has two supports that allow you to orient the traffic light within a range of 200º in fractions of 3º.
- The traffic light needs a control to change from red to green light.

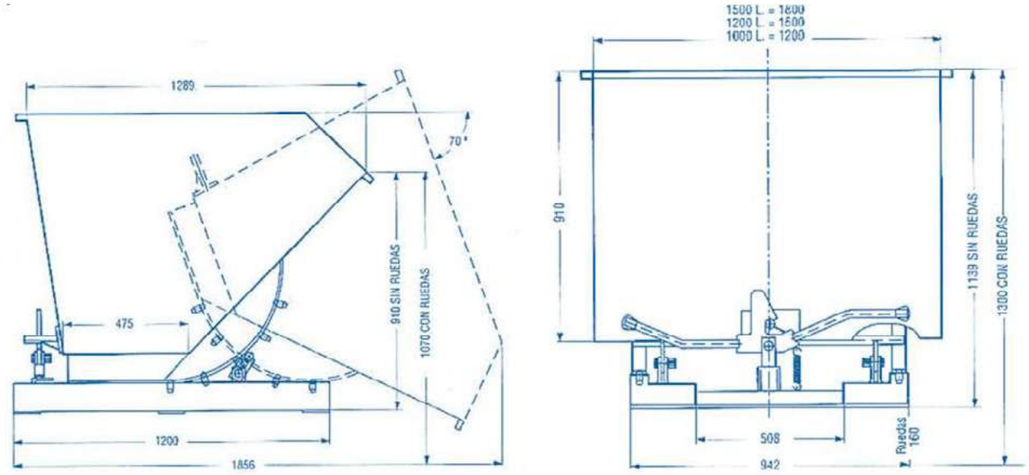
Chocks

This is a safety wedge or wedge that has like the main **objective identified is the safety of the workers operating** on the loading docks and discharge.

They ensure a total blocking of the truck wheels in the loading dock, avoiding that during the process of loading and unloading the vehicle can be separated from the dock and cause damage to operators, facilities or goods.

This product is capable of supporting a intensive under extreme working conditions. Manufactured with robust materials and without elements complex electronics, thus avoiding having the loading bay blocked in case of a breakdown electronics.





Selft tipping container

The **Kavidoors self-tipping container** is the most effective solution for collecting waste. This is an option that **facilitates the process of transportation and removal of waste**, with the comfort and speed that everyday use requires.

It has a carefully designed mechanism that enables **manual movement on rollers, or it can be moved with a forklift**, allowing easy adaptation to any situation or surface.

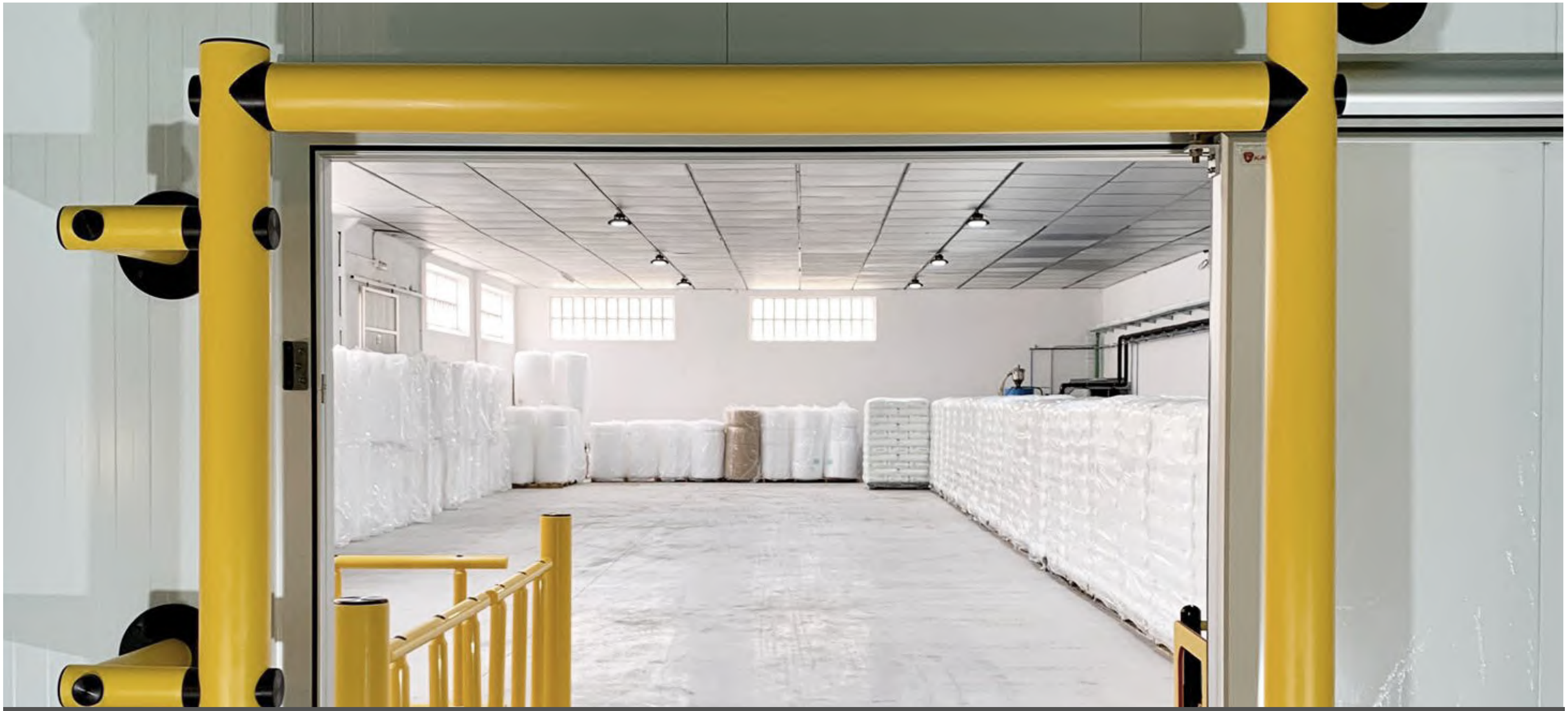




Characteristics

- Manual movement on wheels or forklift.
- Steel finish with guaranteed robustness.
- High precision welds.
- Optional: fiber or stainless steel cladding.





08 ACCESSORIES

- Air curtains — 130
- Industrial protections — 134
- Hospital protections — 142
- PVC cladding slats — 144
- Mounting accessories — 148

Air **curtains**



Air curtains are equipment that **creates an invisible air barrier in the interior and the outside of a chamber**, maintaining the thermal conditions in it and allowing the passage of people or vehicles.

We have two models:

-Air curtains AIRTEK
-Industrials air curtains AIRPRO.

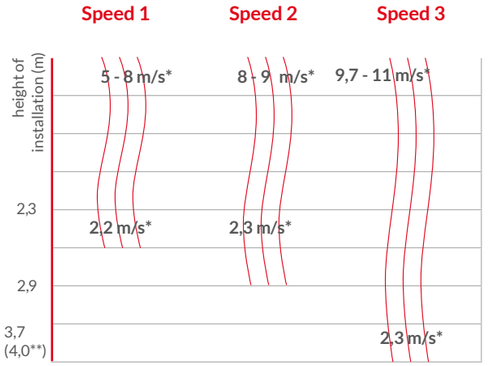
Air curtains AIRTEK

The new AIRTEK comes with modern design, high performance parameters and full range of accessories. AIRTEK is synonymous to modernity, superior andadvanced technology.



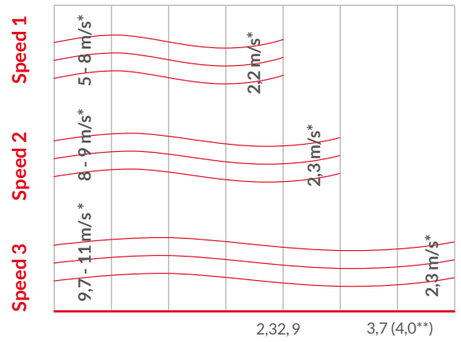
Horizontal air flow range

(max installation height)



Vertical air flow range

(max range by vertical installation)



* air fl ow speed
** ambient air curtain

Characteristics

- Manual temperature regulation.
- Fan speed change.
- Control up to 2 pcs of AIRTEK air curtains.



MAGNETIC doorswitch

Allows to activate/deactivate air curtain depending on opening of entrance doors.

BMS

Delivery of basic signals to Building Management System.



TECHNICAL DATA		AIR CURTAIN WITH WATER HEATER			AIR CURTAIN WITH ELECTRIC HEATER			AIR CURTAIN WITHOUT HEATER		
		AIRTEK 100W	AIRTEK 150W	AIRTEK 200W	AIRTEK 100E	AIRTEK 150E	AIRTEK 200E	AIRTEK 100C	AIRTEK 150C	AIRTEK 200C
lenght of unit	m	1	1.5	2	1	1.5	2	1	1.5	2
max. installation height	m	4	4	4	4	4	4	4	4	4
max. air output	m^3/h	2000	3600	4800	2000	3600	4800	2100	3700	5000
heat output*	kW	10-16	20-29	25-40	4-7	6,5-11	8,5-14	–	–	–
max. working pressure	MPa	1,6	1,6	1,6	–	–	–	–	–	–
diameter of connection nozzles	inches	1/2"	1/2"	1/2"	–	–	–	–	–	–
power supply	V/Hz A	230/50 1,95	230/50 2,6	230/50 2,6	230/50 1,95	230/50 2,6	230/50 2,6	230/50 1,95	230/50 2,6	230/50 2,6
motor power	W	220	320	320	220	320	320	220	320	320
power consumption	V/Hz A	–	–	–	400/50 11	400/50 16,6	400/50 22,4	–	–	–
weight	kg	16,5	20,5	28	17	21,5	29	15	18,5	25
noise level	db (A)	59	61	62	59	61	62	60	61	62
protection class IP	–	IP21	IP21	IP21	IP21	IP21	IP21	IP21	IP21	IP21

Air vent
High performance parameters, air outlet 4800 m^2 / h, air draft up to 4 m.

Technology
PTC electric heater technology.

Noise
Low noise level.

Weight
Reduced weight.

Air curtains AIRPRO

AIRPRO is a line of industrial air curtains designed for protection of industrial buildings from the loss of heat energy through gateway.

Air flow range up to 7,5 m thanks to high efficiency fans and modular construction.



TECHNICAL DATA		WATER CURTAINS		ELECTRIC CURTAINS		COLD CURTAINS	
		AIRPRO 150W	AIRPRO 200W	AIRPRO 150 E	AIRPRO 200E	AIRPRO 150C	AIRPRO 200C
lenght of unit	m	1,5	2	1,5	2	1.5	2
maximum installation height	m	7,5	7,5	7,5	7,5	7,5	7,5
heat output*	kW	33	47	14	21	–	–
max. air output	m³/h	6500	9000	6700	9100	6800	9200
max. working pressure	MPa	1,6	1,6	–	–	–	–
diameter of connection nozzles	inches	3/4"	3/4"	–	–	–	–
power supply	V/Hz A	230/50 2,4	230/50 3,6	230/50 2,4	230/50 3,6	230/50 2,4	230/50 3,6
motor power	W	0,5	0,75	0,5	0,75	0,5	0,75
power consumption	V/Hz A	–	–	400/50 17	400/50 29	–	–
weight without water/with water	kg	46/44	62/60	45	63	37	51
IP protection class	–	IP54	IP54	IP54	IP54	IP54	IP54

Active protection system

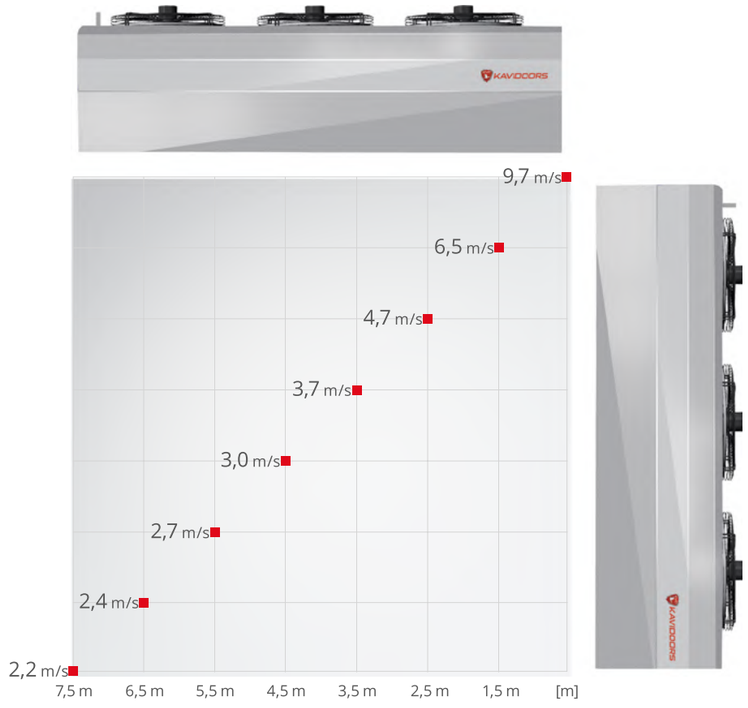


ACTIVE PROTECTION system improves effectivity of air bareer which protects entrance doors.

ACTIVE PROTECTION SYSTEM helps to save energy supplied for heating of air curtains. Main principle is to install AIRPRO with water heater at the bottom and AIRPRO without a coil at the top.

Hot air leaving bottom curtain will move into upper side and will create temperature comfort for users. In this case only bottom curtain is supplied with heating medium, it gives substantial savings on operating costs.

Speed of air flow





Automatic control

Doorstop

Starts operation of curtain when door opens.



Speeder

Air exhaust regulation.



Control box

Complete electrical connection box.



Air vent
Air projection up to 7.5m.

Mounting
Vertical or horizontal mounting.

Modular system
Modular system based on the length of 1.5 m and 2 m air curtains.

Active protection
Active protection system helps save on energy.

Industrials protections



Kavidoors industrial protections, in addition to having objective advantages such as resistance, ease of installation and that they do not break the ground when receiving impacts, it is also a good investment in the medium term that can be amortized thanks to a minimum cost of maintenance and its possibility of repairing quickly and economically.

Bollard

The best option to protect inside doors and corners.
Note also, it is the ideal solution for smaller surface areas requiring protection.



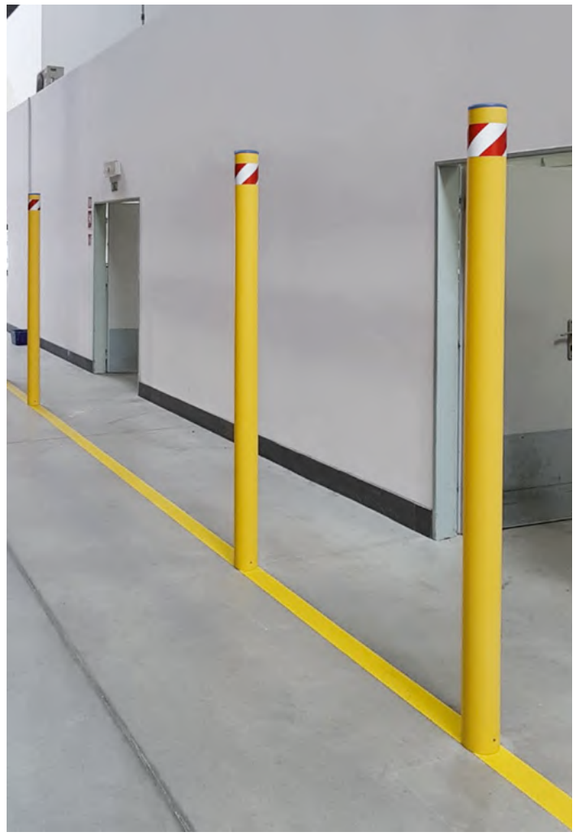
Sizes (mm)		
DIAMETER	HEIGHT	ø ROD
■ 70	■ 266	■ 20
■ 100	■ 430	■ 30
■ 100	■ 530	■ 30
■ 120	■ 430	■ 30
■ 120	■ 530	■ 30
■ 120	■ 800	■ 30
■ 180	■ 430	■ 30

Drilling (mm)	
ø	DEPTH
■ 48	■ 150
■ 68	■ 150
■ 68	■ 150
■ 68	■ 150
■ 68	■ 150
■ 68	■ 150
■ 68	■ 150

110/170 bollard

High-rise bollard, solid up to 500 mm to provide enhanced protection and visibility.





Dimensions (mm)		
DIAMETER	HEIGHT	ø ROD
110	1000	30
110	1500	30
110	2000	30
110	2500	30
170	1200	30
170	1500	30
170	2000	30
170	2500	30

Drilling (mm)	
ø	DEPTH
68	150
68	150
68	150
68	150
68	150
68	150
68	150
68	150

Barriers

Single crash barrier

The best solution to **protect walls or objects**. Thanks to its firm anchoring, **it provides high impact resistance**.



Dimensions (mm)					Drilling (mm)	
DIAMETER	LENGHT	N°BASES	HEIGHT	ø ROD	ø	DEPTH
70	500/1000	2	125	16	38	150
70	1500/2000	3	125	16	38	150
100	500/1000	2	155	20	48	150
100	1500/2000	3	155	20	48	150
100	2.500	4	155	20	48	150
120	500/1000	2	175	20	48	150
120	1500/2000	3	175	20	48	150
120	2500	4	175	20	48	150
120	500/1000	2	275	20	48	150
120	1500/2000	3	275	20	48	150
120	2500	4	275	20	48	150



Double crash barrier

The strongest protection that withstands impacts at different heights.





Dimensions (mm)					Drilling (mm)	
DIAMETER inf	DIAMETER sup	LENGTH	N° BASES	HEIGHT	ø ROD	ø	DEPTH
70	70	500/1000	2	230	16	38	150
70	70	1500/2000	3	230	16	38	150
100	100	500/1000	2	300	20	48	150
100	100	1500/2000	3	300	20	48	150
120	120	500/1000	2	340	20	48	150
120	120	1500/2000	3	340	20	48	150

Energy efficiency
Savings and energy efficiency.

Yellow color
The yellow color warns of danger zones and prevents impacts.

Maintenance
Minimal maintenance. Excellent reliability and durability.

Elasticity
Maximum shock resistance due to its elasticity.

Quick repair
Quick and easy repair at minimal cost.

Maximum protection
Maximum protection, absorbs the impact and does not transmit it.

Recyclable
100% recyclable.

Hygiene
Hygienic and aesthetic design. Easy cleaning.

PTH protections

PTH 110 crash barrier

The best solution for protecting walls and objects thanks to its high flexibility upon impact.



Sizes (mm)			
LENGHT	Nº BASES	HEIGHT	ø ROD
500	2	175	14
1000	2	175	14
1500	3	175	14
2000	3	175	14
2500	4	175	14

Drilling (mm)	
ø	DEPTH
36	150
36	150
36	150
36	150
36	150



PTH 170/ PTH 170 PLUS crash barrier

High resistance protection with greater height. PLUS option with lower reinforcement bar. HDPE screw cap.



Sizes (mm)				
DIAMETER	LENGHT	Nº BASES	HEIGHT	ø ROD
170	500	2	220	16
170	1.000	2	220	16
170	1.500	3	220	16
170	2.000	3	220	16

Drilling (mm)	
ø	DEPTH
38	150
38	150
38	150
38	150



PTH perimeter door protection

The best solution to protect any doors, thanks to its flexibility when receiving an impact.



Sizes (mm)					
WIDTH	2.500	3.000	3.500	4.000	For other measures consult
HEIGHT	2.500	3.000	3.500	4.000	For other measures consult



Resistant
Impact resistant.

Flexible
Flexibility and resistance.

Articulated arms
Built-in articulated reinforcement arms.

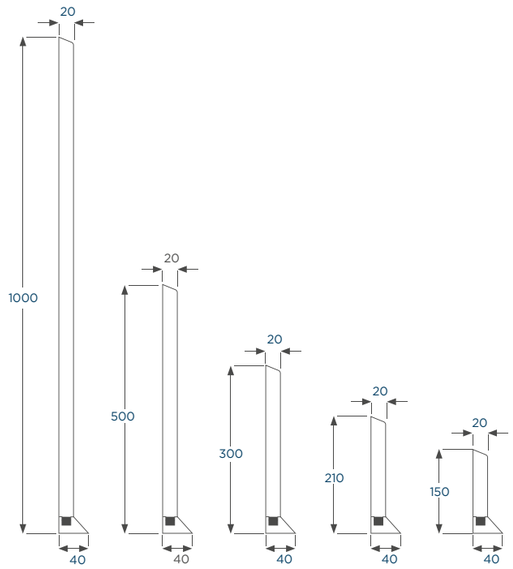
Easy mounting
Easy assembly and repair.

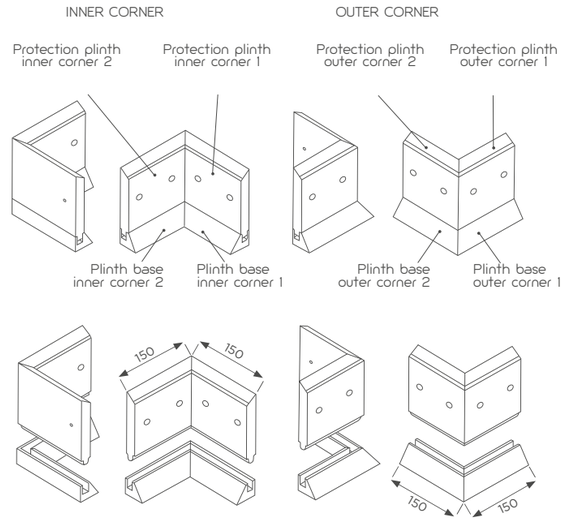
Polyethylene panels protection

Baseboards designed to protect walls at ground level. They are made of high-quality polyethylene unbreakable density to ensure maximum durability despite adverse conditions of use.

Its length is 2000 mm with variable heights between 150 and 1000 mm.







Fixation
Fixing to floor and wall.

Easy installation
Quick and easy to install.

Hidden screws
Hidden screws to avoid accidents within the facilities.

High resistance
High impact resistance.

Unbreakable
They are unbreakable.

System
Two-piece system.

Hospital protections



Kavidoors hospital protections are the ideal solution for repairing damaged sheet metal panels or in aggressive environments. They are made of very hard PVC with sanitary registration.

High resistance to fire with approvals according to Euroclass Bs2d0 and Bs3d0 tests.

Wall handrails

Kavidoors wall handrails are developed by specialists in ergonomics and therapeutics, they provide protection against impacts in the traffic routes, while offering a comfortable grip and the best possible support for people with reduced mobility.



Fixation
Fixing to floor and wall.

Easy installation
Quick and easy to install.

Hidden screws
Hidden screws to avoid accidents within the facilities.

High resistance
High impact resistance.

Unbreakable
They are unbreakable.

System
Two-piece system.

Wall bumpers

Kavidoors wall handrails are developed by specialists in ergonomics and therapeutics, they provide protection against impacts in the traffic routes, while offering a comfortable grip and the best possible support for people with reduced mobility.





Fixation
Fixing to floor and wall.

Easy installation
Quick and easy to install.

Hidden screws
Hidden screws to avoid accidents within the facilities.

High resistance
High impact resistance.

Unbreakable
They are unbreakable.

System
Two-piece system.

PVC **cladding slats**



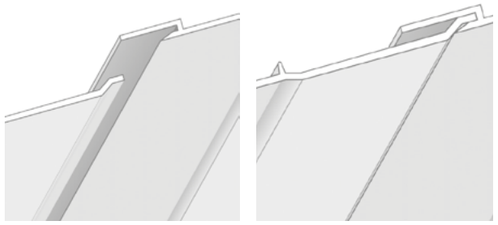
Wall and ceiling cladding slats are the ideal solution for the repair of damaged sheet metal panels or in aggressive environments. They are made of high-strength PVC with sanitary registration.

All models comply with the CE Marking and are 100% recyclable.

P100

Characteristics

- Solid sheet manufactured in highly durable PVC.
- Corrugated sheet for greater rigidity.
- Homogeneous finish.
- Notched surface.
- Tongue-and-groove joining system with hidden screws.
- Unbeatable fire performance in PVC panels complying with Euroclass Bs3d0 (Standard), Bs2d0 (in optional +Plus).
- Standard lengths in 2.5m, 3 m, 3.5 m and 4 m.





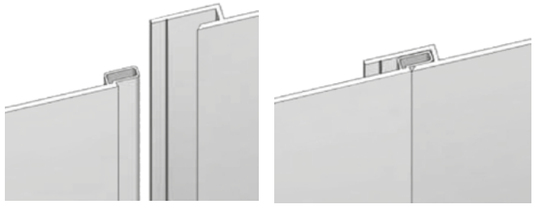
Approvals

- Reaction to fire classification Bs3d0 & Bs2d0 (Optional +PLUS).
- ISO 9001 Certificates.
- AENOR, IQ-NET Certificates.
- CE Marking.
- 100% recyclable.
- Sanitary register, RGSA inscription under code: 39.04206/V.

P200

Characteristics

- Solid smooth PVC sheet with a thickness of 7.5 mm and a width of 333 mm.
- Great impact toughness.
- Hygienic joints.
- Auxiliary PVC profiles.
- Smooth visible finish.
- Standard length of 2.5m, 3m, 3.5m and 4m. Other measures consult.





Approvals

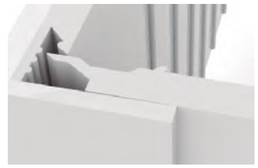
- Reaction to fire classification Bs3d0 & Bs2d0 (Optional +PLUS).
- ISO 9001 Certificates.
- AENOR, IQ-NET Certificates.
- CE Marking.
- 100% recyclable
- Sanitary register, RGSA inscription under code: 39.04206/V

P300

Characteristics

- 8 mm thick coextrusion finished foamed PVC sheets.
- Sanitary hygienic coating.
- Non-porous surface.
- Great impact toughness.
- Resistant to very aggressive environments.
- Complete system of profiles.
- Standard length of 2.5, 3, 3.5 and 4 meters with possibility of custom manufacturing.
- The P500 model has the same characteristics but has a minimum standard length of 3 and 4 m.







Approvals

- Reaction to fire classification Bs3d0 & Bs2d0 (Optional +PLUS).
- ISO 9001 Certificates.
- AENOR, IQ-NET Certificates.
- CE Marking.
- 100% recyclable.
- Sanitary register, RGSA inscription under code: 39.04206/V.

P500

Characteristics

- Sanitary hygienic cladding.
- Foamed PVC sheet finished in coextrusion.
- High thickness sheet (8 mm).
- Non-porous surface.
- Unbeatable fire performance in PVC panels complying with Euroclass Bs3d0 (Standard), Bs2d0 (in optional +Plus).
- Elevated hardness to impact.
- Tongue-and-groove joining system with hidden screws.
- Resistant to highly aggressive environments.
- Complete profile system.
- Standard lengths in 3 and 4m with custom made lengths possible.
- Product protected under patent.



Approvals

- Reaction to fire classification Bs3d0 & Bs2d0 (Optional +PLUS).
- ISO 9001 Certificates.
- AENOR, IQ-NET Certificates.
- Antibacterial certification (optional).
- CE Marking.
- 100% recyclable.
- Sanitary register, RGSA inscription under code: 39.04206/V.



Ceiling cladding slats

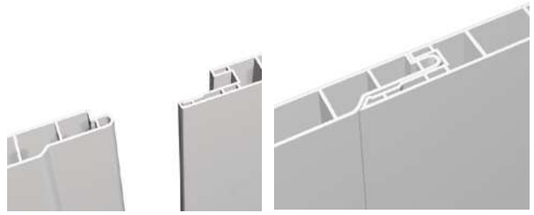
Characteristics

- PVC claddings for ceilings, 10mm thickness.
- Easy Cleaning.
- Food use.
- Non-rust.
- No maintenance.
- Protects ceilings from vapour and humidity.
- Resistant to greases and acids.
- Hermetic joints, simple assembly with hidden screws.
- Unbeatable fire performance in PVC panels complying with Euroclass Bs2d0 (in optional +Plus).
- Standard lengths in 3 and 4 m with custom made lengths possible.



Approvals

- Reaction to fire classification Bs3d0 & Bs2d0 (Optional +PLUS).
- ISO 9001 Certificates.
- AENOR, IQ-NET Certificates.
- CE Marking (in optional +Plus).
- 100% recyclable.
- Sanitary register, RGSA inscription under code: 39.04206/V.



Durable
Robust and durable.

High resistance
High impact resistance.

Easy installation
Quick and easy to install.

Antibacterial
Antibacterial certification (optional).

Fire resistance
High resistance to fire. Euroclass Bs2d0 (standard) and Bs3d0 (+ plus) tests.

System
Tongue and groove joint system and hidden screw.

Mounting **accessories**



Kavidoors mounting accessories are They are characterized by their easy installation and their hidden screw fixing system.

They are 100% recyclable.

Concave end pvc solid base

Characteristics

- Solid PVC support.
- PVC top with flexible lips for perfect adjustment.
- Sizes 7 cm and 10 cm.
- Easy assembly.
- Fastening system with hidden screws.



Uses

- For joining panels.
- The solid PVC base substitutes the inner right-angle filler.
- Especially recommended for floor-to-wall angles.
- Greater resistance to impact provided by the solid base support.

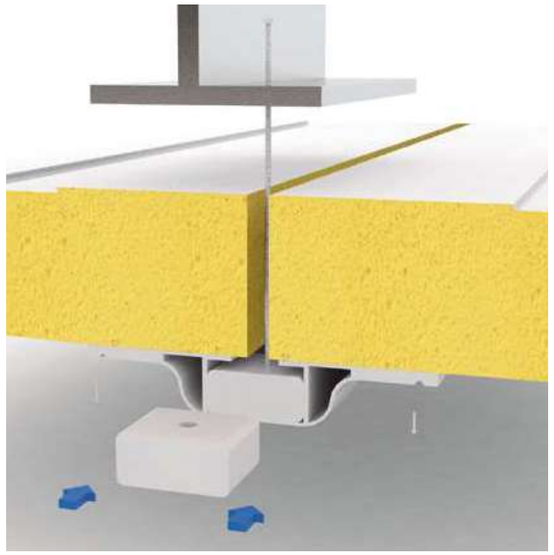
Omega profile ceiling panel union

Uses

- Using this profile for the aluminium ceiling means you don't have to drill the profile to fix it onto the threaded rod.
- This is designed so that the rod can slide inside the profile to its ideal position with the outer structure, making assembly much easier.
- 4m lengths to facilitate transport.
- Panel joint profile with THERMAL BREAK.

Applications

- Panel union joints.



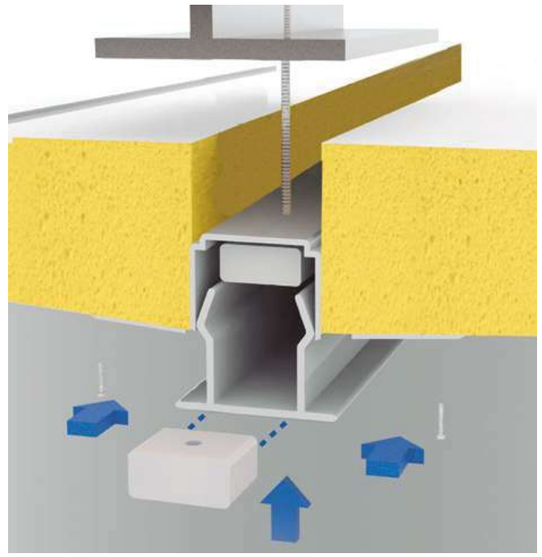
Omega flat profile with thermal break

Uses

- Flat profile underneath with cover to hide device.
- Flat ceiling support joint for inner fastening.
- 4m lengths to facilitate transport.
- Panel joint profile with THERMAL BREAK.

Applications

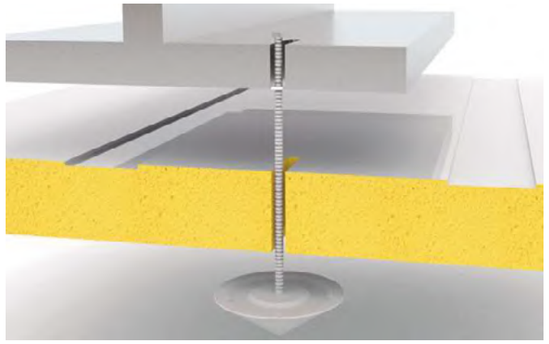
- Panel union joints.



Chinese cap

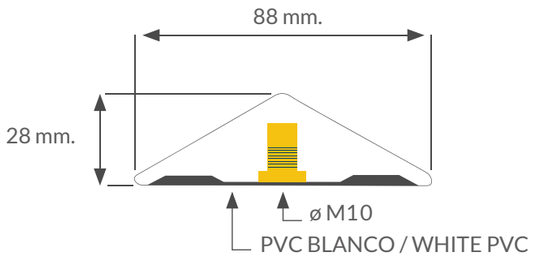
Characteristics

- CHINESE CAP in white PVC sized 10mm with bolt and washer.
- Rounded edges, ideal for sanitary approval.
- Prevents thermal break in cooling installations.



Uses

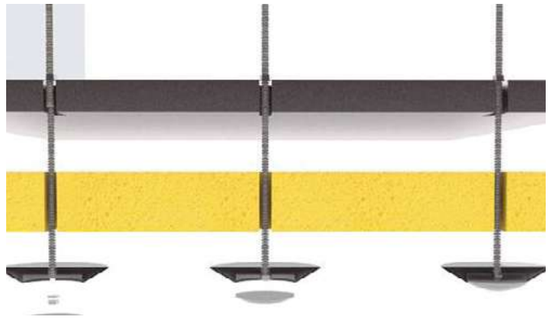
- Fastening for wall and ceiling panels, with no thermal break.
- Placing a CHINESE CAP in the panel fixing gap prevents sagging and allows for thinner panels.



Remate japonés

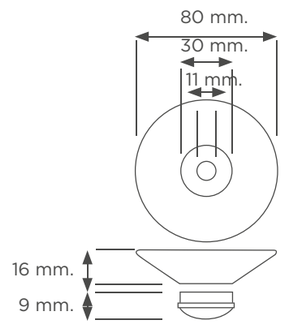
Characteristics

- PVC JAPANESE CAP with adjustable rod size from 6 to 11 mm.
- Prevents thermal break in cooling installations.
- Easy assembly (adjustable from above or below).
- Rounded edges, ideal for sanitary approval.



Uses

- Fastening for wall and ceiling panels, with no thermal break.
- Placing a JAPANESE CAP in the panel fixing gap prevents sagging and allows for thinner panels.





Get to know in depth all the products that we can offer you at Kavidoors by scanning the following QR code or visiting our website. Do not hesitate to contact us if you need us to answer any questions or need advice from our experts.

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