

## HINGED FRIDGE DOOR



WHITE PIRINEOS colour

**AECTIR**  
CERTIFICATES AND INSULATION



ALIMENTARY USE

### USES

Hinged fridge door, ideal to use in cold chambers from 0°C to -40°C for agro-food purposes.

### ADVANTAGES



HYGIENI  
SANITARY

#### Design

Excellent product design which gives our product optimal functional, climatic, hygienic and sanitary qualities.



RESISTANT  
TO IMPACTS

#### Durability

Shows excellent features regarding mechanical resistance and durability, using metallic PET coating, making it suitable for contact with food products and ideal for use in agri-food industry even in the most corrosive environments



ISOLATION

#### PIR Insulation

Excellent thermal insulation and watertightness, with conductivity values that improve the thermal insulation level, with traditional polyurethane core.



FIRE  
RESISTANT

#### Fire

Excellent fire resistance. The PIR insulating nucleus suffers superficial carbonization, while the inside nucleus remains intact. Altogether, it doesn't contribute to the spread of fire, keeping smoke emissions low.

## MATERIALS AND COMPONENTS



### Frame

An anodised aluminium frame and false frame of 20 microns is used, disposing double thermal break in the inside, making heating resistance necessary for freezing temperatures.

Innovative system of telescopic frame is used to adapt perfectly the wall fixation to wall panels or brick walls, no matter the length scale (mm, inches..)

### Insulation

Rigid polyisocyanurate foam core (PIR), normal density 40-45 kg/m<sup>3</sup>, its excellent fire resistance and its high insulation capacity improve substantially the properties of traditional PUR core foams. Further than that, PIR foams doesn't absorb water so its insulation capacity doesn't shrink, being resistant to chemicals too, preventing the appearance of fungi and bacteria in the inside.

### Top coating

We have a wide collection of top coatings available to guarantee the maximum durability, even in the most aggressive environments. PET 55 and Granite HDX 55 lacquered steel Inox 304/316.

### Door leaf

Compact injection leaf format, overlapped to the frame, built up with the bending of certified structural steel sheets, without need of perimeter moulding or welding, structural steel plate 0.6mm wide, with PET55 white colour coating. This PET coating involves an excellent resistance to chemical products, manipulation, humidity and scratches. The sheet owns a double weatherstrip made with flexible EPDM which guarantees the perimeter sealing and its tightness.

The PET coating (with polyethylene film) behaves well in aggressive environments, where a food certification is needed to use with food. It has been tested on the IANESCO laboratories (Inform Essay n° 3843. Result: **FIT FOR USE WITH FOODSTUFFS**).



### Hinges

High quality and reliable hinges, made with black composite with symmetric fixings and elevation ramp.

Ergonomic designed and versatile lock, allowing two sealing systems (pressure and impact) for its use in hinged fridge doors.

### Colours




We have a great variety of RAL colours available to attend the needs of every customer.



## OPTIONS

- ✓ Key Lock (Manual/Automatic)
- ✓ ISO – eyehole
- ✓ Hinged and locked opening
- ✓ Polyethylene/stainless leaf coating
- ✓ High pass frame / Forklift pass frame / Modular frame
- ✓ Double leaf opening system
- ✓ Chapel system for air passage
- ✓ Panic Door
- ✓ Bright lacquered TRAFFIC frame RAL 1026 – RAL 2005
- ✓ KIT-EXPORT system
- ✓ Return hinges
- ✓ Magnetic weather strip system

## TECHNICAL FEATURES

Model	KHC	KHF	KHT
<b>Environment (T°)</b>			
Conservation ( 0°C - +8°C)			
Fridge ( 0°C - -20°C)			
Tunnel Freezer ( 0°C - -40°C)			
<b>Materials</b>			
Structural steel leaf thickness	S220GD / 0,6 mm	S220GD / 0,6 mm	S220GD / 0,6 mm
(*)Metal coating	PET 55 µ Stainless prelacquered white	PET 55 µ Stainless prelacquered white	PET 55 µ Stainless prelacquered white
Nominal Leaf Thickness	80 mm	100 mm	140 mm
Foam	PIR (40-45kg/m3)	PIR (40-45kg/m3)	PIR (40-45kg/m3)
Heating resistance	0.020 W/mK	0.020 W/mK	0.020 W/mK
Resistencia calefactora		30W/m	50W/m
<b>Dimensions</b>			
Medida estándar	1000x2100	1000x2100	
Medidas máximas (*)	1600x3000	1600x3000	
Panel shaft width	Light width+60mm	Light width+60mm	Light width+60mm
Panel shaft height	High light+30mm	High light+30mm	High light+30mm
(*)Special measures upon specific demand to the technical department			
<b>Generic Plans</b>			
Outer Frame Width	Light width+260mm	Light width+260mm	Light width+260mm
Outer Frame Height	High light+130mm	High light+130mm	High light+130mm
<b>Ditch Dimensions</b>			
Ditch length		Light width + 300	Light width + 300
Ditch width		80 mm	80 mm
Ditch depth		40 mm	40 mm