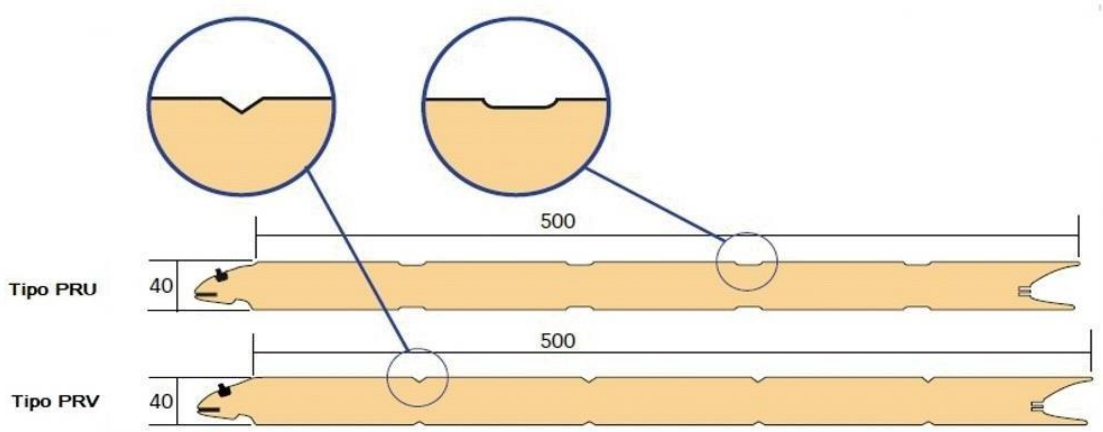
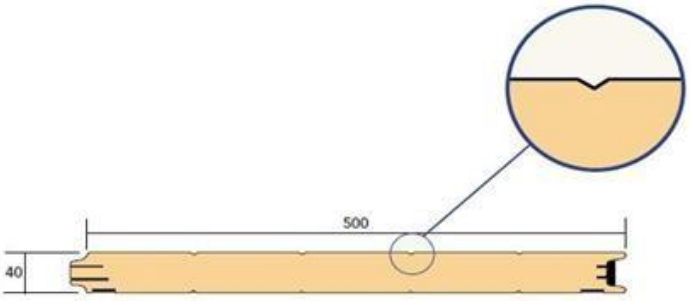
Panel for Residential Sectional Doors PR



Panel for PI Industrial Sectional Doors



This product meets the requirements of Regulation (EU) No 305/2011 of the European Parliament and of the Council laying down harmonized conditions for the marketing of construction products and complies with Annex ZA of Standard EN 14509:2013.

Designation:

Isothermal Panel for Residential Sectional Doors.

Description:

It consists of two profiled steel sheets interconnected by rigid polyurethane foam insulation (PUR B3, PUR B2) to form a panel with a useful width of 500 mm or 610 mm, with sheet reinforcement for fixing. Fits laterally with other panels to cover a surface area.
It has an anti-finger crushing fitting system.

Dimensions:

Thickness: 40 mm
A tolerance of ± 2 mm

Useful width: 500 mm and 610 mm
A tolerance of ± 2 mm

Length: According to the customer's request up to a limit of 13.500 mm
A tolerance of ± 10 mm, for lengths > 3.000 mm
* Other sizes on request

References:

PRU/PRV 500/610 - 40 MS, SS, TS- Residential sectional door panel 40 mm thick Modular Stucco, Semi-liso Stucco and Total-smooth Stucco

PRU/PRV 500/610 - 40 MW, SW, TW- Residential sectional door panel 40 mm thick Modular Woodgrain, Semi-liso Woodgrain and Total-smooth Woodgrain

PRU/PRV 500/610 - 40 ML, SL, TL Residential sectional door panel 40 mm thick Modular Smooth, Semi-Smooth, Total-Smooth

Base materials

Metal support:

- Rolled steel (EN 508; EN 10143), galvanized (EN 10346) and pre-painted (EN 10169)
- Rolled, pre-treated and lacquered aluminum alloy (EN 485-2, EN1396) (1)

Note: sheet thickness subject to consultation.

Coating:

- Standard: primer 5 µm + polyester paint 20 µm
- For special applications (1): HDX.

(1) On request

Insulating core:

- igid polyurethane foam - PUR B3, without reaction to fire class PND (2)
- Rigid polyurethane foam - PUR B2, with a reaction to fire class of B s_2 d_0 (1)

- Average density: 40 kg/m^3 ± 10%
- Thermal conductivity λ= 0.025 W/m.K
- Foam free of CFC's

- Mechanical characteristics:

Adhesion (tensile strength on the support) > 0.018 MPa

Compressive strength for 10% deformation > 0.100 MPa

(1) On request

(2) PND – Parameter not determined

Characteristics:

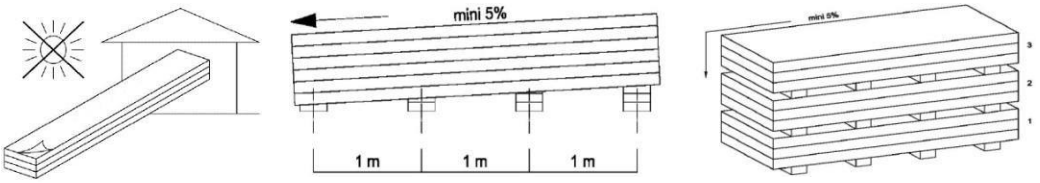
Reference	PR 500-40 MS/MW Thickness 0,5/0,5 mm	PR 610-40 MS/MW Thickness 0,5/0,5 mm	PR 500-40 ML/ SL/TL Thickness 0,6/0,5 mm	PR 610-40 ML/ SL/TL Thickness 0,6/0,5 mm
Panel weight * Kg/m^2	10,30	9,98	11,63	11,27

Thermal transmission W/m^2. K	**Panel thickness (mm)**
	40
(PR 500)	0,83
PR 610)	0,81

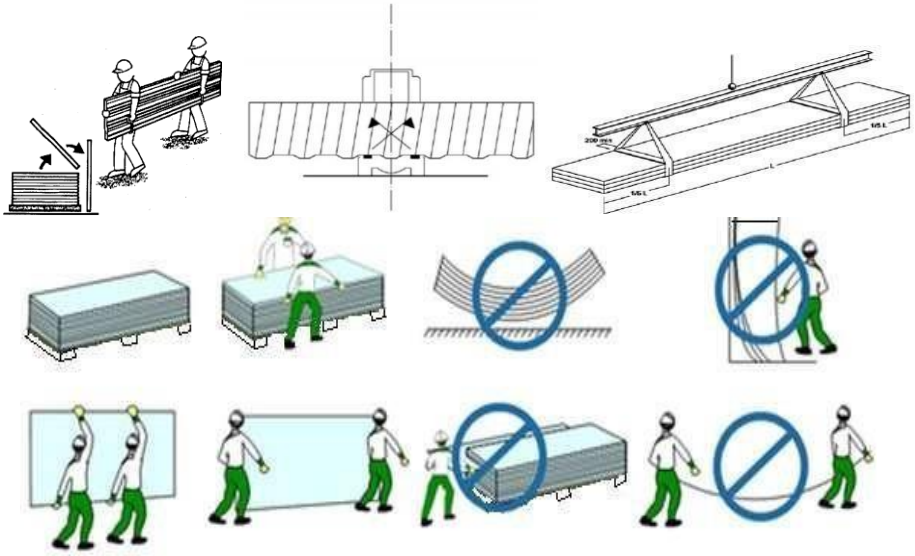
(*) Approximate weight

Other recommendations:

1. Storage:



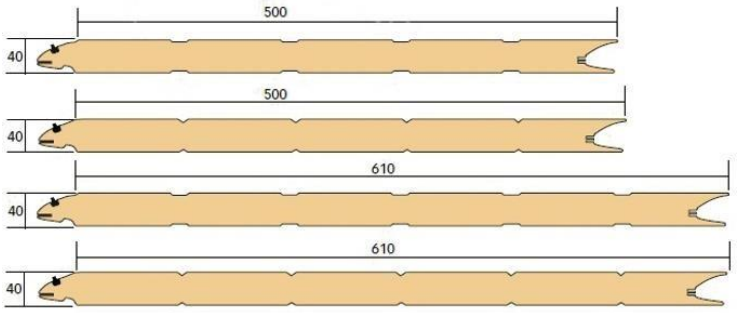
2. Panel application



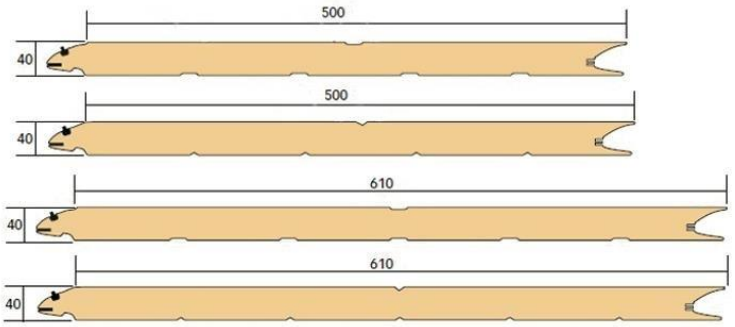
3. Environmental recommendations

- The isothermal panel is a product made up of two different materials: metal and polyurethane foam. Due to the absence of any really dangerous or toxic additives encapsulated in the polyurethane polymer, the foam is considered an inert material, posing no risk to the environment.
- At the end of the product's life, its components should be separated and disposed of as construction and demolition waste:
- - The sheet metal should be sent as steel waste.
- - The polyurethane should be disposed of as insulation waste.
- - The packaging used to pack the batch of panels is made entirely of plastic materials such as stretch film and styrofoam..

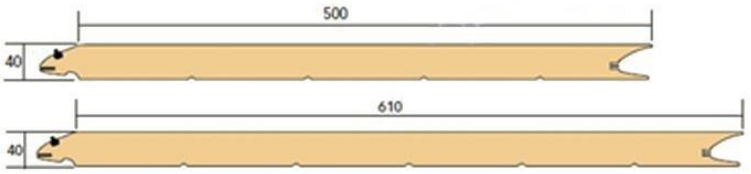
References PRU/PRV 500/610 MS/MW/ML



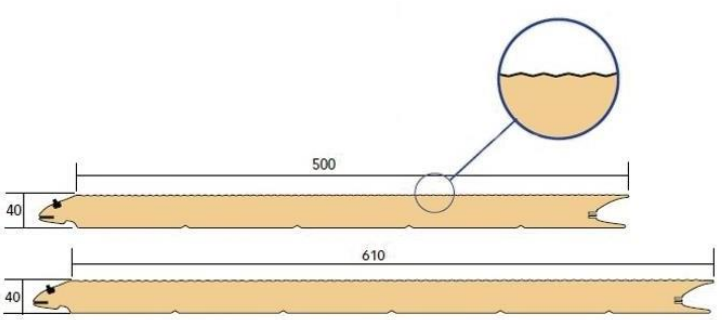
References PRU/PRV 500/610 SS/SW/SL



References PRU/PRV 500/610 TS/TW/TL



References PRU/PRV 500/610 MI



References PI 500/610 MS