

I01.02c2



| AISLA-PIR

DOUBLE ALUMINIUM SLAT



ALUMINIUM RANGE PRODUCT DATA SHEET



| AISLA PIR
DOUBLE ALUMINIUM SLAT
95 x 15,5 thickness 1,5 mm
POLYISOCYANURATE 10 mm

- Technical data -

The feasibility of the maximum width and height dimensions depends on the **accessories** and the **automation system**. Technical specifications — such as weight, wind resistance and opening speed — also vary depending on the type of **slat selected**.

Under standard conditions, the doors can reach approximately **10 metres**, and wind resistance can be classified as Class 3, 4 or 5.

| - Manufacturing and materials

The single slat is manufactured through a high-quality aluminium extrusion process. Its structure complies with the international standards UNE-EN 755-9 and 12020-2, as well as UNE-EN 515 and UNE-EN 516, ensuring durability and safety in its application.

| - Alloy

The element is manufactured from EN AW-6060 or EN AW-6063 aluminium alloys, known for their strength and versatility in architectural and construction applications.

| - SIDE GUIDES - |

ALUMINIUM

Single | 70x33,4



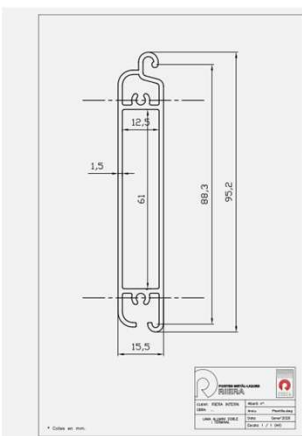
Reinforced guide



80x76,9



double
116,90x80



| END CAPS

85,4X17,8 thickness 1

Our curtain is closed with a **stainless steel** end cap made from 304 & 316 alloy.

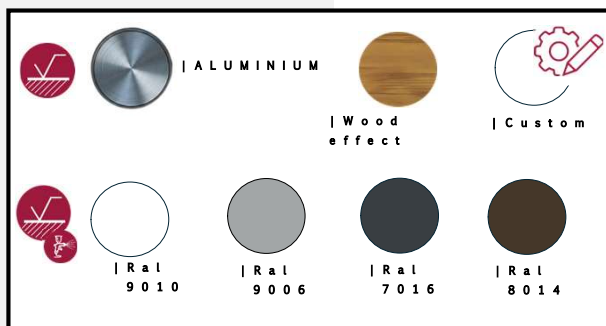


| ALUMINIUM BOTTOM RAIL

138,3X15,5 thickness 1,7

The lower part of the bottom rail includes a rubber seal that improves weather tightness, as well as a bearing that facilitates sliding along the guides.

- Finishes and models -

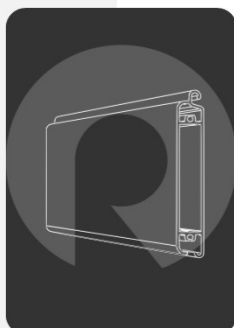


The anodised finish carries the **QUALANOD** quality seal, ensuring superior protection against corrosion and a uniform aesthetic finish. The powder coating process also carries the **QUALICOAT** quality seal, guaranteeing an even coating resistant to adverse environmental conditions.

For a “wood effect”, the powder coating is carried out under the **QUALIDECO** quality seal, offering a natural and elegant appearance that integrates perfectly into different architectural environments.

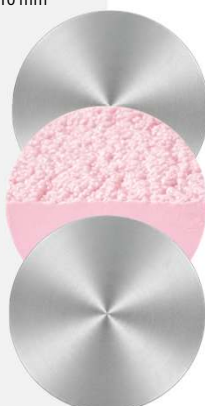


| AISLA-PIR | INTERIOR 10 mm POLYISOCYANURATE



| AISLA PIR
DOUBLE ALUMINIUM SLAT
 95 x 15,5 thickness 1,5 mm
 POLYISOCYANURATE 10 mm

60X120 SLATS



PIR – POLYISOCYANURATE MATERIAL RESULTS

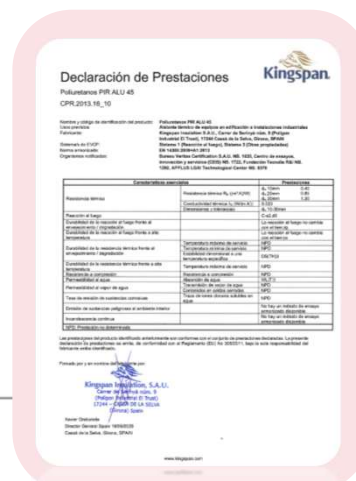
Thermal transmittance:
 $U = 2,550 \text{ W/m}^2\cdot\text{K}^*$

Value indicating the amount of heat passing through the PIR panel per unit area and temperature difference. The lower the U-value, the greater the insulation capacity and the lower the energy loss.

**Fire reaction
 classification:**
C-s2,d0 *

The C-s2,d0 classification describes a material with medium contribution to fire, medium smoke production and no flaming droplets. This classification is common in construction materials with controlled fire performance according to EN 13501-1.

*** Results provided by the technical department of the raw material manufacturer.**



Panel PIR-ALU 45

Descripción

- Panel de espuma rígida de poliisocianurato (PIR) revestido por ambas caras con una lámina de aluminio gofrado.

Aplicaciones

- Fabricación de conductos pre-aislados para sistemas de distribución y/o ventilación de aire, y para equipos de aire acondicionado (HVAC).

Ventajas

- Poca absorción de agua gracias a la estructura de celda cerrada del polímero.
- Paneles de gran rigidez y poca peso.

- Facilidad de manipulación, corte, montaje y ensamblaje.

Presentación

- Dimensiones: 4000 x 1200 mm.
- * Otras dimensiones consultar al departamento técnico.
- Espesores: 10, 20 y 30 mm.

Características	Clase según EN 14508*	Norma Ensayo	Unidades	Valores Especificados
Coef. de Conductividad Térmica Declarada	$\lambda_{10, 10^\circ\text{C}}$	EN 12667	W/m·K	0,023
Estabilidad dimensional 48h 70°C & 90%RH	DS(TH)3	EN 1604	%	$\Delta e_1, \Delta e_2 \leq 2$ $\Delta e_3 \leq 0$
Estabilidad dimensional 48h -20°C	DS(TH)3	EN 1604	%	$\Delta e_1, \Delta e_2 \leq 0,5$ $\Delta e_3 \leq 2$
Absorción de agua	WL(T)1	EN 12087	%	≤ 1
Reacción al fuego	-	EN 13501-1	-	C-s2, d0

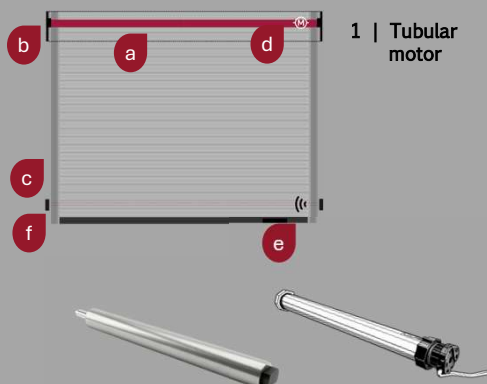
*UNE-EN 14508:2009+A1:2015 y UNE-EN 13501:2005

Características Térmicas

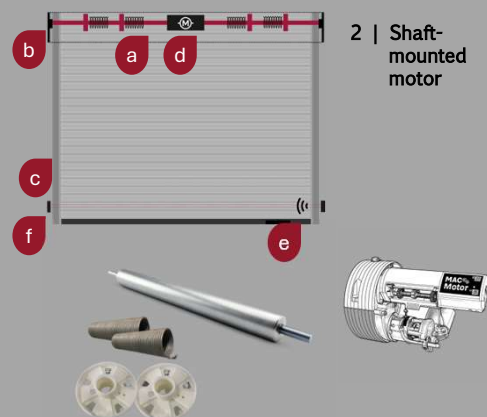
Espesor (mm)	10	20	30
Resistencia térmica ($\text{m}^2\cdot\text{K/W}$)	0,40	0,85	1,30

TECHNICAL SPECIFICATIONS

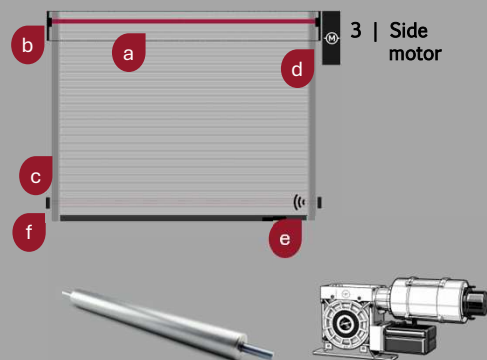
1 | Tubular motor



2 | Shaft-mounted motor



3 | Side motor



a Cover box

Aluminium box with a range of designs to suit different aesthetic requirements, from a front cover to a box that fully integrates and encloses the entire assembly.



b Brackets and shafts

Support components for securing the roller shutter shaft, available in different configurations to suit the geometry of the installation. The mobile support is particularly recommended for heights above 4 metres.



c Guides

We offer three types of guides to adapt to different installation geometries, increase the overall strength of the assembly or incorporate unlocking boxes.

d Automation: Motors

Motors technically adapted to each use and size.

1|**Tubular motor** with a compact cylindrical body available in different sizes.

2|**Shaft-mounted motor** with helical springs for greater durability, with two options: DC for intensive use and AC power.

3|**Side motor** with a customizable location depending on the project. Can be three-phase or with a frequency inverter (single-phase).

e Safety and control

Safety edge, controls and photocells.



f Base rail and end fittings

Bottom slat with rubber guide to ensure proper closure with the floor.



COILING

CHECK MAXIMUM SIZE ACCORDING TO THE MOTOR



ACCESSORIES

TO BE DEFINED ACCORDING TO THE DOOR'S USE

(warning light, unlocking box location, mailbox, letter slot, AppRiera app, etc.)



PRODUCT APPLICATIONS

