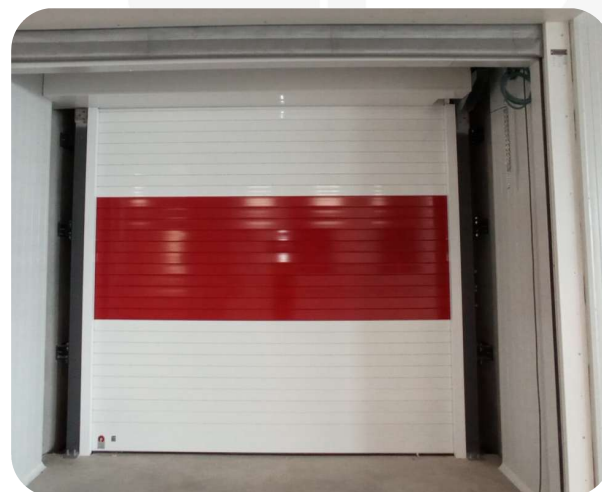




ALUMINIUM RANGE PRODUCT DATA SHEET



AISLA PUR
DOUBLE ALUMINIUM SLAT
95 x 15,5 thickness 1,5 mm
POLYURETHANE FOAM 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



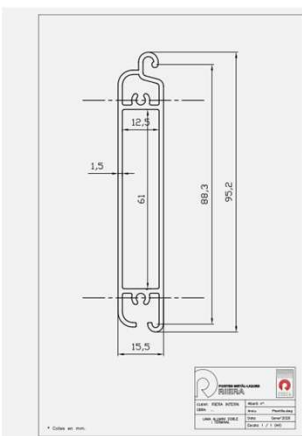
Reinforced guide



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.

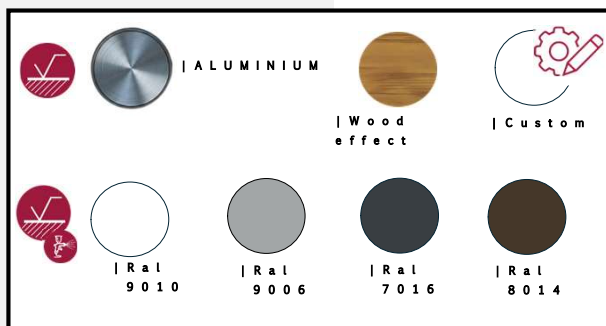


| ALUMINIUM BOTTOM RAIL

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 -

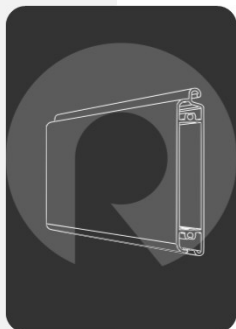


The anodised finish carries the **QUALANOD** quality seal, ensuring superior protection against corrosion and a uniform aesthetic finish. The powder coating process also carries the **QUALICOAT** quality seal, guaranteeing an even coating resistant to adverse environmental conditions.

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-PUR | INTERIOR 10 mm POLYURETHANE



| AISLA PUR
DOUBLE ALUMINIUM SLAT
 95 x 15,5 thickness 1,5 mm
 POLYURETHANE FOAM 10 mm

60X120 SLATS



PUR – POLYURETHANE MATERIAL RESULTS

TEST CARRIED OUT ACCORDING TO
 UNE – EN 12667:2002 STANDARD

Thermal transmittance:

$U = 1,593 \text{ W/m}^2\cdot\text{K}^*$

**Physical test carried out with a 1.5 mm
 aluminium section, 10 mm polyurethane
 and another 1.5 mm aluminium sheet*

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.

Material density:
 35 kg/m^3 *

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

Plancha PUR D/35

Descripción

- Planchas de espuma rígida de poliuretano cortadas y mecanizadas a partir de un bloque del material.

Aplicaciones

- Aislamiento térmico para la construcción de camiones frigoríficos.
- Aislamiento térmico de suelos de cámaras frigoríficas y túneles de congelación.
- Aislamiento térmico en paneles sándwich con chapa metálica, poliéster, madera, fibrocemento, etc.
- Intervalo de temperaturas de trabajo: 70°C hasta temperaturas negativas.

Ventajas

- Menor espesor de aislamiento gracias al coeficiente de conductividad térmica de la espuma de poliuretano.
- Poca absorción de agua gracias a la estructura de celda cerrada del polímero.
- Buena rigidez, poco peso, facilidad de mecanizado y corte.

Presentación

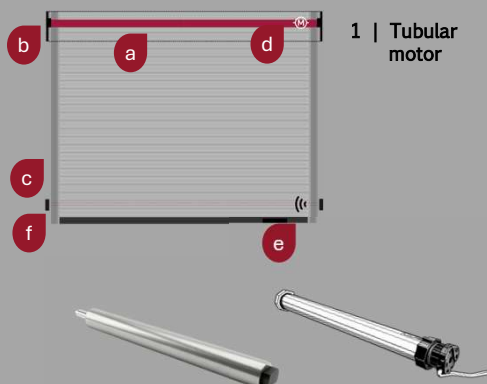
- Planchas de 2500 x 1000 mm y 2000 x 1000 mm en cualquier espesor.

**Otras dimensiones consultar al departamento técnico.*

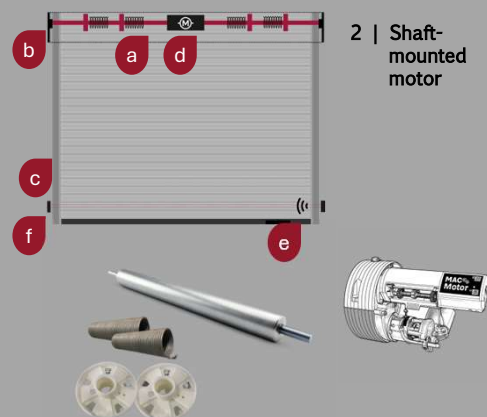
Características	Clase según EN 14308*	Norma Ensayo	Unidades	Valores Especificados
Límites de Temperatura de Trabajo	-	-	°C	-130°C +70°C
Densidad	-	EN 1602	kg/m ³	35 ± 2
Conductividad Térmica Inicial	λ_i , 10°C	EN 12667	W/m·K	≤ 0,0222
Coef. de Conductividad Térmica Declarada	λ_d , 10°C	EN 12667	W/m·K	$d_p < 80 \text{ mm}$ 0,028 $80 \leq d_p < 120 \text{ mm}$ 0,027 $d_p \geq 120 \text{ mm}$ 0,026
Resistencia a la compresión	-	EN 826	kPa	II → ≥ 150 I → ≥ 80
Estabilidad dimensional 48h 70°C & 90%RH	DS(TH)3	EN 1604	%	$\Delta e_l, \Delta e_b \leq 2$ $\Delta e_d \leq 6$
Estabilidad dimensional 48h -20°C	DS(TH)3	EN 1604	%	$\Delta e_l, \Delta e_b \leq 0,5$ $\Delta e_d \leq 4$
Absorción de agua	WL(T)4	EN 12087	%	≤ 4
Reacción al fuego	-	EN 13501-1	-	F

TECHNICAL SPECIFICATIONS

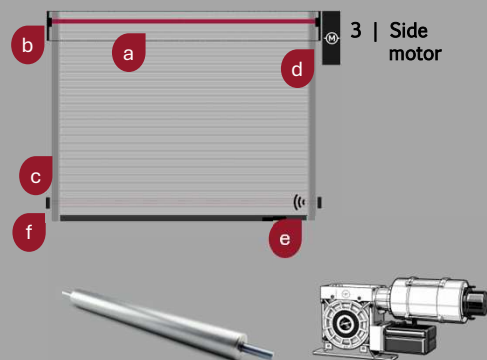
1 | Tubular motor



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

