



The **powdercoated panels** are part of the **CLOSING** product range. They are assembled with a bonding technique with a bi-component polyurethane glue which allows excellent mechanical properties and guarantees the quality.

Always seeking innovation, AV Composites developed a new panel for the manufacturing of aluminium shutters, doors and gates. It is made of a thermoplastic insulator and is the very first POWDERCOATED PANEL.

This insulating panel **saves you a considerable amount of manufacturing time**, allowing a rapid cut of the panel regardless of the shape. It also provides a powdercoated shutter at the same color of your window (european patent).

AV Composites' panels, including the aluminium sandwich powdercoated panels, are protected by numerous patents!



100% recycled & 100% recyclable

Infinite kinds of colors and aspects





Technical Specifications

1 Covering

External and internal facing

Aluminium sheet (thickness 8/10th)
with epoxy primer

Wainscoating effect

Standard grooves' width: 85mm
Other widths: contact us

2 Core of the panel

Insulating core

Thermoplastic, $\lambda = 0.028$
(100% recycled & 100% recyclable)

3 Gluing

Polyurethane two-component adhesive

4 Thickness of finished panels

Filling range: 25, 27, 28, 33mm
Others: please contact us

5 Panels specifications

Thermal loss coefficient

$U = K = 1,03$ (25) - $0,96$ (27) - $0,93$ (28) -
 $0,80$ (33) W / K.m²

Thermal Resistance R

$R = 0,96$ (25) - $1,03$ (27) - $1,07$ (28)
 $1,24$ (33) K.m² / W

Insulating foam fire resistance

M1 Quality,
according to LNE N° P107497 certification

6 Dimensions - Weights

Width 1000 mm - 1200 - 1485mm

Length 2440 à 7500 with steps of 250mm

Weight 6,63 (25) - 6,79 (27) - 6,87 (28)
7,27 (33) kg/m²

7 Warranty

Company Civil Insurance N° 2/700062



The installation of our systems must be made with the accessories of the AV Composites range. In case of dispute, the guarantees only apply if the user recommendations contained in our data sheets and Technical Notice, are met. Dark exterior color holding (such as: Slate) can not be guaranteed in time. The advice and technical data refer to real informations and practical experiences. They are offered in good faith but without guarantee, since the conditions and methods of use are not under our control. We reserve the right to make change at any time without notice.