



OUTDOOR ALUWALL®

WALL PANELS
PERGOLA CARPORT GAZEBO SHEDS



Insulated aluminium panels for the construction of walls and partitions for your outdoor structures

The ALUWALL range of Wall Panels can be used to create walls to enclose or partition carports, pergolas, shelters or gazebos.

Their specific designs feature smooth aluminium facings or vertical or horizontal grooves on one or both sides. The groove spacing is 85 mm or 170 mm. The edge of the panels on smooth finishes or with vertical grooves can have a 3 mm x 20 mm edge, allowing the integration of an aluminium plate for a perfect edge-to-edge connection.

Their wide range of thicknesses (28, 32 and 52 mm) ensures perfect compatibility with the various aluminium structures for infill applications.

They can be installed to a maximum wall height of 3 m between two fixing points (at the foot and head of the panel).

The powder-coated range (**PET** insulation and epoxy primer aluminium, patented by AV COMPOSITES) allows colours to be customised for perfect aesthetic integration with the aluminium structure.

References / Panel finishes with 3 x 20 mm notch :

- **SMOOTH 2 FACES R3 - XPS - th. 28mm/32mm/52mm :**
XAW28R3, XAW32R3, XAW52R3
- **VERTICAL GROOVES 2 FACES R3 - XPS - th. 28mm/32mm/52mm :**
VX28R3, VX32R3, VX52R3
- **VERTICAL GROOVES 2 FACES R3 - PET - th. 28mm/32mm :**
VP28R3, VP32R3

References / Infill Panels finishes :

- **SMOOTH 2 FACES - XPS - th. 28mm/32mm/52mm :**
XAW28, XAW32, XAW52
- **VERTICAL GROOVES 1 FACE / SMOOTH 1 FACE - XPS - 28/32/52 :**
XVX28, XVX32, XVX52
- **VERTICAL GROOVES 2 FACES - XPS - th. 28mm/32mm/52mm :**
VX28, VX32, VX52
- **HORIZ. GROOVES 1 FACE/LISSE 1 FACE - XPS - 28mm/32mm/52mm :**
XVXH28, XVXH32, XVXH52
- **HORIZ. GROOVES 2 FACES - XPS - th. 28mm/32mm/52mm :**
VXHORI28, VXHORI32, VXHORI 52
- **LOUVERED 1 FACE / LISSE 1 FACE - XPS - th. 28mm/32mm/52mm :**
XVXPERS28, XVXPERS32, XVXPERS52
- **PROVENÇAL GROOVE - XPS - th. 28mm/32mm/52mm :**
VXPROV28, VXPROV32, VXPROV52
- **VERTICAL GROOVES 2 FACES - PET- th. 28mm/32mm :**
VP28, VP32
- **HORIZ. GROOVES 2 FACES - PET - th. 28mm/32mm :**
VPHORI28, VPHORI32
- **LOUVERED 2 FACES - PET - th. 28mm/32mm :**
VPPERS28, VPPERS32
- **PROVENÇAL GROOVE - PET - th. 28mm/32mm :**
VPPROV28, VPPROV32



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1 Alloyed Aluminium Facings
 Polyester coating Glossy White 9010, Matte White 9010, Matte White 9016, Polyamide coating Grainy White 9010 anti-scratch Novastripe®, Roussillon, Golden Oak, Satin Grey 7016, Matte Grey 7040

Epoxy Primer (Ready to powder-coat PET).

2 Aluminium Facing Pattern
 Vertical Grooves, spacing : 85 mm, 170 mm.
 Horizontal Grooves, spacing : 85 mm, 170 mm.
 Louvered Effect, 49.3 mm Louvers.

3 Panel Core
 XPS foam :
 Extruded Polystyrene, CFC-free
 Reported Thermal Conductivity :
 $\lambda = 0.028 \text{ W/m.K} - \text{EN } 12667 - 12939$
 PET foam (ready to powder-coat) :
 Recycled polyethylene terephthalate
 Reported Thermal Conductivity :
 $\lambda = 0.028 \text{ W/m.K}$

4 Panel's Assembly
 STRUCTURAL polyurethane
 two-components bonding

5 Thicknesses
 Thermal XPS :
 28 mm, 32 mm , 52 mm

Ready to Powder Coat PET :
28 mm, 32 mm

6 Panels Specifications
 Heat loss coefficients for XPS and PET panels,
 grooved on 1 or 2 sides
 $U = K = 0.93 (28\text{mm}) - 0.82 (32\text{mm}) - 0.51 (52\text{mm})$
 W/K.m²
 Heat loss coefficients for Louvered XPS
 and PET panels on 1 or 2 sides
 $U = K = 0.96 (28\text{mm}) - 0.90 (32\text{mm}) - 0.54 (52\text{mm})$
 XPS uniquement) W/K.m²

Thermal resistance of XPS and PET panels,
 grooved on 1 or 2 sides
 $R = 1.07 (28\text{mm}) - 1.21 (32 \text{mm}) - 1.92 (52\text{mm})$
 XPS uniquement) K.m² / W
 Thermal resistance of Louvered XPS and
 PET panels, on 1 or 2 sides
 $R = 1.03 (28\text{mm}) - 1.10 (32 \text{mm}) - 1.82 (52\text{mm})$
 XPS uniquement) K.m² / W

Fire Resistance
 M1 suivant PV Efectis EFR-19-001758 A (XPS)
 et EFR-19-001758 G (PET)

7 Dimensions - Weight
 Width : 1195 mm
 Length Vertical Grooves : 2250 mm - 2500 mm -
 2750 mm - 3000 mm
 Length Louvered : 2500 mm - 3000 mm

Weight kg/m² grooved XPS panels 1 ou 2 faces :
4.95 (28 mm) / 5.08 (32 mm) / 5.74 (52 mm)

Weight kg/m² grooved PET panels 1 ou 2 faces :
6.17 (28 mm) / 6.49 (32 mm)

Weight kg/m² Louvered XPS panels 2 faces :
4.85 (28 mm) / 4.98 (32 mm) / 5.64 (52 mm)

Weight kg/m² Louvered XPS panel 1 face/smooth 1 face :
4.90 (28 mm) / 5.03 (32 mm) / 5.67 (52 mm)

Weight kg/m² Louvered PET panels 2 faces :
5.93 (28 mm) / 6.25 (32 mm)

8 Garanties RC Entreprise N° 2/700062



In the event of a dispute, warranties will apply if the instructions for use given in our technical data sheets, installation guides or Technical Approvals are followed. The colourfastness of dark exterior coating is not guaranteed over time. Advice and technical data refer to real information and practical experience. They are offered in good faith, but without guarantee, given that the conditions and methods of use are not under our control. We reserve the right to make changes at any time without notice.