



Structural panels designed for conservatory walls and low walls.
Thickness : 100, 150 and 182 mm

The **OSB panels** of the **TECWOME range** are used for the creation of diverse kinds of walls and low walls thanks to their installation easiness, thermal insulation and mechanical properties added to their frame adapted geometry.

These panels are composed of an insulating foam in extruded polystyrene (closed cells) grooved on the edges and integrating multi-axes routing cables, together with two OSB 3 cladding (Oriented Strand Board, thickness 9 mm).

This combination offers a sandwich panel with an excellent dimensional stability and strong holding mechanical properties. Their modular quality and geometry ease their installation and allow cutting. The junction mechanism on the 4 sides of the panels, allows a mounting on the width (for low walls) as well as on the height (for walls). The integrated multi-axes routing cables system facilitates the installation and protects the electrical networks on the whole created surface.

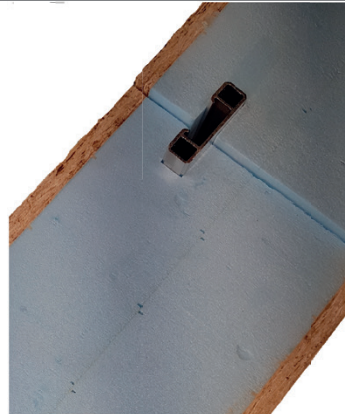
AV Composites' panels are protected by numerous patents !



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Technical Specifications

1 Covering
External and internal cladding
 OSB 3 (Oriented Strand Board) thickness 9 mm, resistant in wet internal environment.

2 Core of the Panel
Internal insulation core:
 Extruded polystyrene closed cells, without CFC.
 Declared thermal conductivity (λ) :
 - 0.028W/m.K - EN 12667 - 12939

Specific grooving of the insulating foam to create a multi-axes routing cables system (horizontal and vertical) in the panel, together with a 4 sides junction system between the panels.

3 Assembling
 With aluminum junction keys to insert in the extruded polystyrene grooves.

On the floor, panels will be installed with the help of angles or U put on a sealing strip. Angles and U will be pegged and fixed in the slab.
 The setting of the panel will be made by crossed fixing of the angles and of the U with wood screws

4 Structural Gluing
Polyurethane two-component glue

5 Thickness of finished panels
 100 mm / 150 mm / 182 mm

6 Panels Specifications
Thermal loss coefficient

U = k
 - 0,31 (100 mm thick) W/K.m²
 - 0,20 (150 mm thick) W/K.m²
 - 0,16 (182 mm thick) W/K.m²

Thermal Resistance : R
 - 3.18 (100 mm thick) K.m² / W
 - 4.97 (150 mm thick) K.m² / W
 - 6.08 (182 mm thick) K.m² / W

Dimensions

Width 1200 mm (+or- 2 mm)
Length 2480 mm (+or- 2 mm)

Weights

- 15.4 (100 mm thick) kg/m²
 - 17.2 (150 mm thick) kg/m²
 - 18.2 (182 mm thick) 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 information 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.