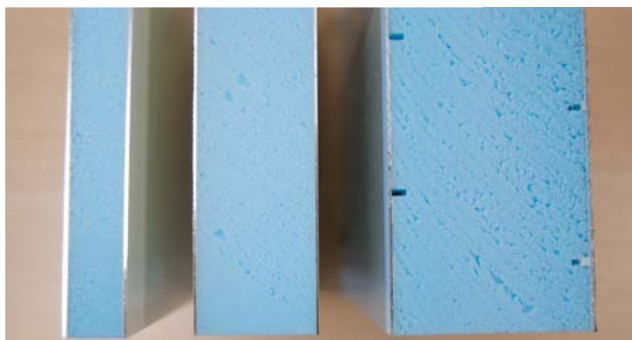
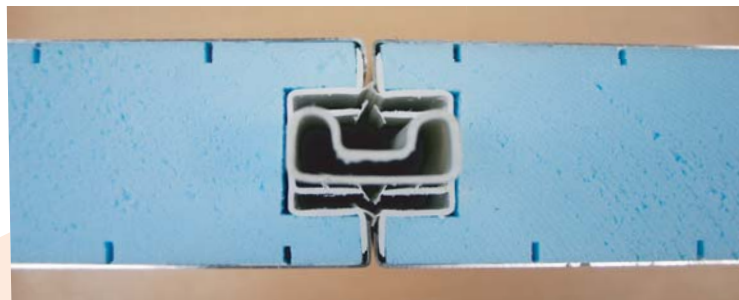




# Veranda Foam Roof Panels



Filling range: Thickness 16, 25, 32, 52 mm  
Reference: X16, X25, X32, X52



Free-standing range with PVC key: Thickness 52 mm  
Reference: AX52

The aluminium foam panels of the Veranda range are assembled by bonding technics with two-components polyurethane which allow a very mechanical good behaviour and guarantee the quality. These panels are constituted by an insulating foam in extruded polystyrene which offer:

- A high heat insulation
- No resumption of humidity
- An excellent mechanical properties and longer-range



The facings of foam panels are in an aluminium alloy of 8/10th with a polyester lacquer outside white or with color (Roussillon, brown 8004).



The AV Composite panels and their systems of junction are the object of numerous patents !

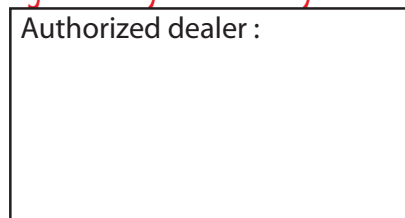


Prize-winner of the national competition on 2003 of innovative technologies organized by the Ministry of Research



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Authorized dealer :





# Veranda

# Foam Roof Panels

## \*\* Specification sheet of the insulate roof panels \*\*

### 1- Covers:

#### \* Outside and internal facing :

Aluminium alloy (thickness=8/10) lacquered with a polyester resin (80 % gloss) and with a UV protective film

\* Color chart: White (RAL9010) , Roussillon, Brown (RAL 8004) - Option Inside: White pebbleweave aspect (RAL 9010)

### 2- Insulating foam of the Panel:

Polystyrene foam ( $\lambda=0.028$  W/m.K) without CFC

### 3- Assembly panels:

#### \* Panel filling system:

By system of aluminium squeezed profiles

#### \* Longer-range panel:

By a PVC key for longer-range panels junction and with two double channels of flow and 7 barriers of waterproofness

### 4- Bonding:

Polyurethane glue with two-composant

### 4- Thickness: Finished Panel

- Filling system: 16, 25, 32, 40, 52 mm
- Longer-range system : 52 mm

### 5- Properties :

#### \* Thermal loss coefficient K:

- K = 1,9 (16) - 1,2 (25) - 0,9 (32) - 0,7 (40) - 0,5 (52) W/K.m<sup>2</sup>

#### \* Thermal Resistance R:

- R= 0,52 (16) - 0,83 (25) - 1,1 (32) - 1,4 (40) -1,8 (52) m<sup>2</sup>. K/W

#### \* Longer-range panel system (thickness=52mm, Length 4500mm):

Load 95 dan / m<sup>2</sup> for an 1/50 bending (safety coef. of 2) for the 52mm

### 6- Dimensions - Weight:

\* Width: 1195 mm

\* Length: 3000 to 7500 mm by step of 500mm

\* Weight: 5 (16mm) - 5,5 (25) - 5,7 (32) - 6 (40) - 6.4 (52) kg/m<sup>2</sup>

### 7- Fire Classification:

Quality M1, following certification LNE N°G031031-CEMATE/1  
In case of fire, no toxic smoke, only of the CO2.

### 8- Guarantees :

\* Company Civil Insurance N°2/677503 - ACTE iard

\* "Products" and "Manufacturer" Insurance N°2/677503 -ACTEiard

The installation of the systems must be necessarily made with the accessories of the range AV Composites. In case of dispute, guarantees apply if the advice of use, concerned our specification sheets and the European Technical Approval (ATE) are respected. The composites panels have to be painted, so the coloring of paints has to be guaranteed in the time by the Paint Company and not by AV Composites. The advice and the technical data refer to real information and practical experience. They are offered in good faith, but without guarantee, given that the conditions and the methods of usage are not under our control. We reserve the right to bring modifications at any moment, without advance notice.



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Authorized dealer :