OUTDOOR NOVATOIT®

FOAM Panels
PERGOLA CARPORT GAZEBO

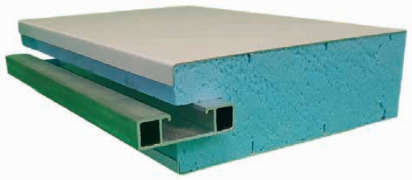
Self-supporting panels for Pergolas, Carports, Gazebos

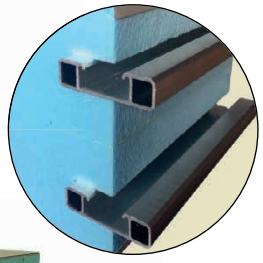
Self-supporting Thermic Panels for flat roofs from the OUTDOOR NOVATOIT range can be used to create pergolas, carports and gazebos with no visible structure, thanks to the integrated waterproofing system with aluminium key connector. The high rigidity of the panels and the jointing system allows installation with low slope of 2%.

FAOM OUTDOOR panels of 63 mm, 82 mm, 102 mm and 164 mm allow clear spans of 4.7 meters up to 6 meters, providing a perfectly smooth ceiling on the inside, with a choice of pre-painted finishes.

The high thermal performance of these panels ensures a high level of comfort, even in areas of high sunshine.

Radiation is eliminated and thermal conductivity thermal conductivity is limited.





Integrated watertight system **with simple or double aluminum connector following panel thickness**

Reference FOAM with simple aluminum key :
X63 R16
X82 R16
Reference FOAM with double aluminum key :
X102 R16
X164 R16

AV COMPOSITES
UN TOIT POUR LA VIE

ZA de la Massane
11 Av. des Joncades Basses
13210 Saint Rémy de Provence - FRANCE
contact@avcomposites.com
www.avcomposites.com
Tel : +33 (0)4 32 61 92 95

Lauréat INPI des trophées de l'innovation
France relance - Entreprise lauréate 2021

OUTDOOR NOVATOIT®

FOAM Panel
PERGOLA CARPORT GAZEBO

1 Facing - Aluminum Alloy
Inside Face : Polyester Coating White Gloss 9010, Matte White 9010, Matte White 9016.
Polyamide Coating Grainy White 9010 scratch resistant Novastripe®. Grey 7040 mat, Golden Oak.

Outside Face : Polyester Coating White Gloss 9010, Matte White 9010, Matte White 9016., Roussillon, Grey 7040 matte

2 Panel Core
Insulated Core :
Extruded Polystyrene (33 kg/m3) No CFC
Thermal Conductivity :
λ = 0.028 W/m.K - EN 12667 - 12939

3 Connection of Self-Supporting Panels
With double aluminium connector in the grooves on the edges of the extruded polystyrene insulating core

4 Bonding
STRUCTURAL Two-Components PU Adhesive

5 Panel Thickness
X63R16, X82R16, X102R16, X164R16

6 Panels specifications
Thermal loss Coefficient U (or K)
U = K = 0.43 (63) - 0.32 (82) - 0.26 (102) - 0.16 (164) W/K.m²

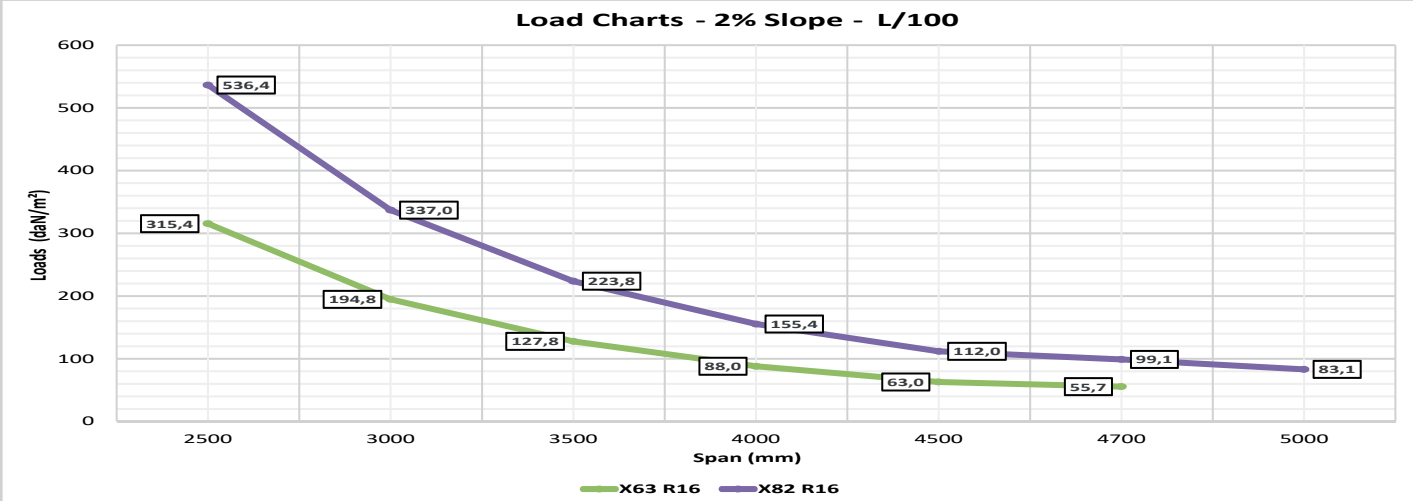
Thermal Resistance R
R = 2.32 (63) - 3.04 (82) - 3.71 (102) -5.94 (164) K.m²/W

Max Span for Self Supporting Panels
4700 mm (X63R16) - 5000 mm (X82R16) - 5500 mm (X102R16) - 6000 mm (X164R16)

7 Dimensions - Weight
WIdth 1195 mm
Length 2500 mm à 7500 mm par pas de 250 mm
Kg/m² : 6.34 (63) - 6.91 (82) - 7.68 (102) - 9.74 (164)

8 Warranty Corporate liability
N°2/700062
Fire Classification
Quality M1 PV N°EFR-19-19-001758-A

9 Load Charts and Max allowable spans :
Up to 900 m altitude and according to local wind and snow rules and regulations



Systems must only be installed using accessories from the AV Composites range.
In the event of a dispute, warranties apply only if the instructions for use given in our technical data sheets, installation guides or Avis Technique are followed. The colorfastness of dark exterior coatings is not guaranteed over time. Advice and technical data refer to real information and practical experience. They are offerted in good faith, but without guarantee, since conditions and methods of use are not under our control. We reserve the right to make modifications at any time, without notice.