



**OUTDOOR NOVATOIT®**

**FOAM Panels ISIWATT®  
PERGOLA CARPORT GAZEBO**



Self-supporting panels for flat roofs  
Special Outdoor **ISIWATT® with  
integrated wire beam**

Self-supporting insulated panels for flat roofs  
flat from **OUTDOOR NOVATOIT** range allow the  
roofing of pergolas, carports and gazebos with no visible  
structure, thanks to the integrated waterproofing system  
with double aluminium key connectors and a minimum  
2% slope.

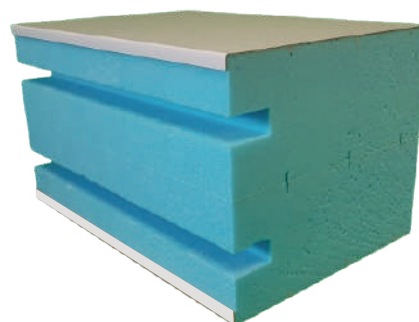
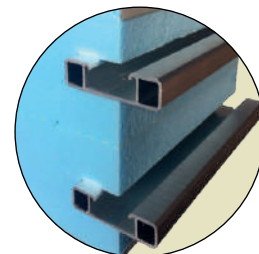
Different panel thickness ranges from 102mm to  
164mm provide maximum clear spans of 5.5 meters  
up to 6 meters projection, offering a perfectly smooth  
ceiling on the inside with a scratch-resistant  
9010 grained white aluminum finish.

The new option **ISIWATT®** allows the integration of one  
or two wire channels (CC1 or CC2) in the core of the  
panel, for the installation of a low-voltage electrical  
network and lighting on the inside of the panels,  
while maintaining the panels' original mechanical  
characteristics and waterproofing.



integrated watertight  
system with double  
aluminium connector

**ISIWATT® Option**  
allows integration  
of one or two  
cable channels  
(CC1 ou CC2)



Reference FOAM **ISIWATT®** :  
X102 R16CC1 (ou CC2) 2500 mm to 7500 mm  
X164 R16CC1 (ou CC2) 2500 mm to 7500 mm



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

ISIWATT®

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 w/ Aluminum Wire Channel

**Thermal Coconductivity :**

$\lambda = 0.028 \text{ W/m.K} - \text{EN } 12667 - 12939$

**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 and Length**

X102R16CC1 (ou CC2) ISIWATT® : 102 mm

X164R16CC1 (ou CC2) ISIWATT® : 164 mm

**6 Panel Specs**

**Thermal Loss Coefficient U (or K)**

$U = K = 0.26 (102) - 0.165 (164) \text{ W/K.m}^2$

**Thermal Resistance R**

$R = 3.71 (102) - 5.94 (164) \text{ K.m}^2/\text{W}$

**Max Span for Self Supporting Panels**

5500 mm (X102R16CC1 or CC2) - 6000 mm (X164R16CC1 or CC2)

**Dimensions - Weight**

**Width** 1195 mm

**Length** 2500 mm to 7500 mm every 500 mm

**kg/m<sup>2</sup> :** 8.5 (X102R16CC1) - 9.4 (X102R16CC2) - 10.6 (X164R16CC1) - 11.4 (X164R16CC2)

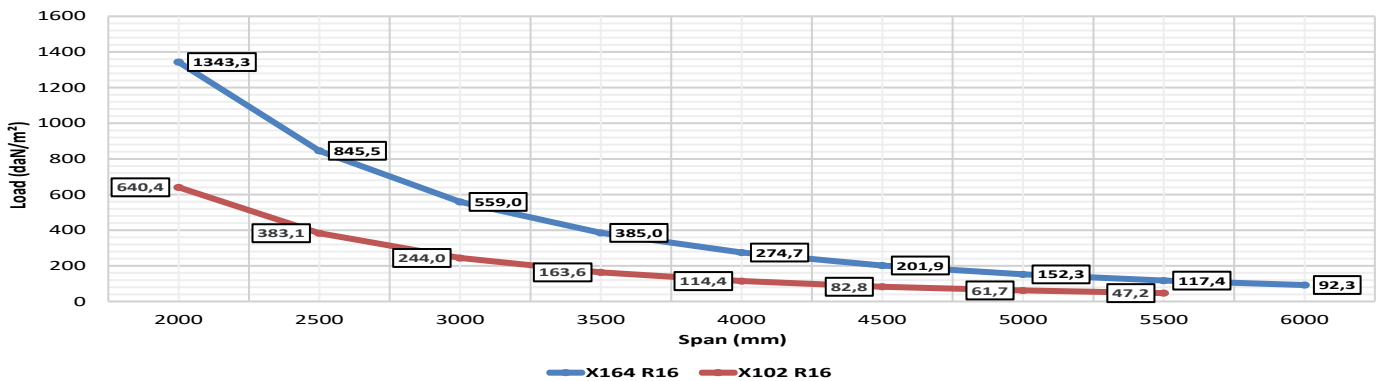
**7 Warranty Corporate Liability N° 2/700062**

**Fire Resistance** Quality M1 PV N°EFR-19-19-001758-A

**8 Load Charts and Max allowable spans**

Up to 900 m altitude and according to local wind and snow rules and regulations

**Load Charts - 2% Pitch  
L/200**



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 offered 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.