



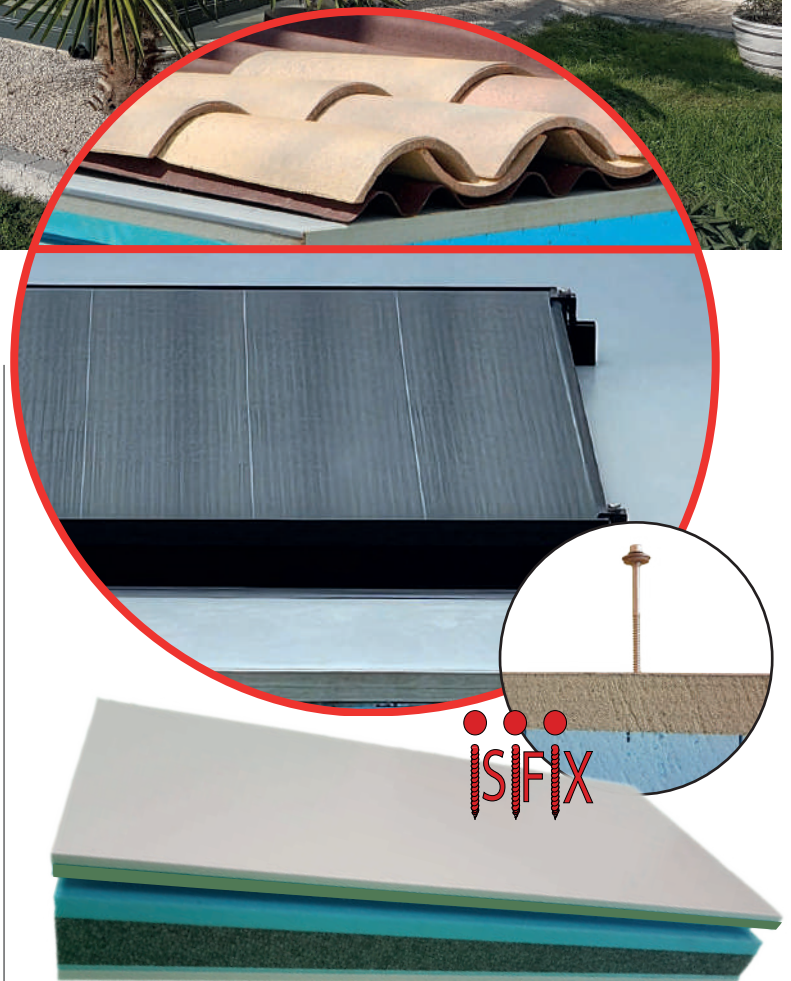
Flat roof panels with integrated slope Special  
Patio Enclosures **ISIFIX®**

Flat Roof Panels **FLAT TECH** and **FLAT TECH SILENCE**  
in the **NOVATOIT PATIO ENCLOSURE ISIFIX®** can be used  
to create roofs with no visible structure or slope, and allow  
traditional roofing elements (tiles, slates, etc.), planters or  
photovoltaic panels to be attached to the outside, while retaining  
a contemporary, uncluttered design, guaranteeing perfect  
architectural integration in harmony with any type of construction.

**FLAT TECH** panels feature a perfectly flat ceiling flat on the  
interior side, while the roof displays a **3 % integrated pitch**  
which optimizes the height under the eaves  
up to a 5.5 meters projection.

The new generation **FLAT TECH ISIFIX®** integrates the  
universal support function for external fastening required  
for the installation of different types of finishes or  
equipment, while maintaining the panels' initial mechanical  
characteristics and waterproofing.

The acoustic version with membrane improves  
panel stability and provides enhanced comfort  
with high impact sound attenuation.



**References Flat Tech ISIFIX® :**

- XEGPP233FT3 R16 spans up to 4500 mm
- XEGPP263FT3 R16 spans from 5000 mm up to 5500 mm

**References Flat Tech Silence ISIFIX® :**

- XEGPP237FT3S R16 spans up to 4500 mm
- XEGPP267FT3S R16 spans from 5000 mm up to 5500 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



# Technical Data Sheet

**1 Facing**  
**Aluminum Facing**  
 Aluminum Alloy 8/10 with UV-Resistant film  
**Interior Facing Colors :**  
 White Gloss 9010, Matte White 9010/9016.  
 Grainy White 9010 scratch resistant Novastripe®  
 Grey 7040 mat, Golden Oak.  
**Exterior Facing Colors :**  
 White Gloss 9010, Matte White 9016,  
 Roussillon, Grey 7040 matte, Golden Oak

**Acoustic Membrane**  
 Complex of a non-woven fabric  
 and reinforced PVC  
**Membrane Colors :**  
 White 9016, Terracotta Roof Tiles 8004,  
 Gray 7040, Gray7016

**2 Insulated Foam Core**  
 Extruded Polystyrene (33kg/m<sup>3</sup>) no CFC  
 and high Density PET (145 kg/m<sup>3</sup>)  $\lambda = 0.028$

**3 Panels Connection**  
 Aluminum Connector in the foam core's  
 grooves

**4 Bonding**  
 Two-Components PU adhesive

**5 Panel Nominal Thickness**  
 233 mm and 263 mm without membrane  
 237 mm and 267 mm with membrane

**6 Panel Specs**  
**Thermal Loss Coefficient**  
 $U = K = 0.16 (233) - 0.15 (263) - 0.16 (237) - 0.15 (267) \text{ W / K.m}^2$   
**Thermal Resistance R**  
 $R = 6.11 (233) - 6.35 (263) - 6.22 (237) - 6.45 (267) \text{ K.m}^2 / \text{W}$

**7 Dimensions - Weight**  
**Width** 1195 mm  
**Length** de 2500 à 5500 au pas de 500 mm  
**Weight** 10.7 (233) - 10.8 (263) - 13.1 (237) - 13.3 (267) kg/m<sup>2</sup>

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

**9 Fasteners :**  
 SFS Screws: TDA-S-S19-6.5 ( 8mm hex head)  
Screw length according to thickness to fasten:  
 Th. to fasten 1 to 6mm : TDA-S-S19-6.5x50  
 Th. to fasten 6 to 15mm : TDA-S-S19-6.5x60  
 Th. to fasten 16 to 35mm : TDA-S-S19-6.5x80

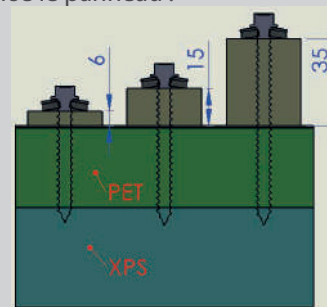
If you have to bolt a thicker piece, create a relocation bracket with a height up to 35 mm.

Tightening Torque : stop when washer start starts to crush.

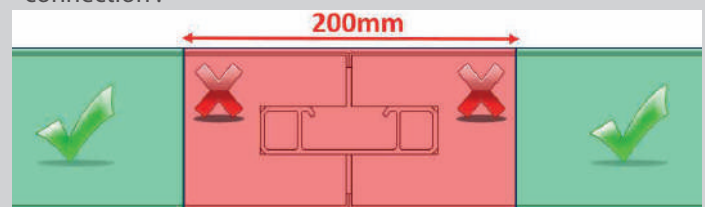


Screw strength (w/ safety factor: 2) :  $P_k=70 \text{ daN/vis}$   
 Adapt the number of screws to suit the element to be fastened, its wind load and current regulations.

The screw must always penetrate the entire PET layer et le filetage doit être présent dans toute la partie qui traverse le panneau :



Keep a 200mm fastener free section around the panels connection :



No warranty can be provided if the screw recommendations are not followed.

Maximum permissible permanent load per m<sup>2</sup> :  
 50 kg/m<sup>2</sup> with a MINIMUM SLOPE OF 2%.

