



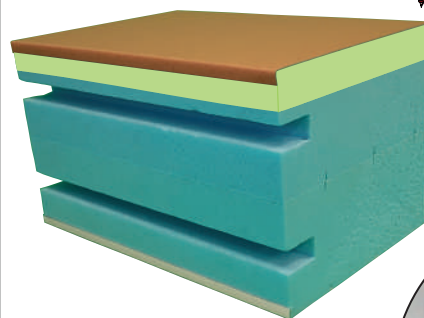
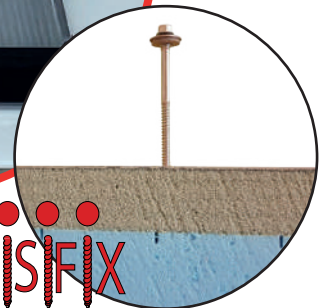
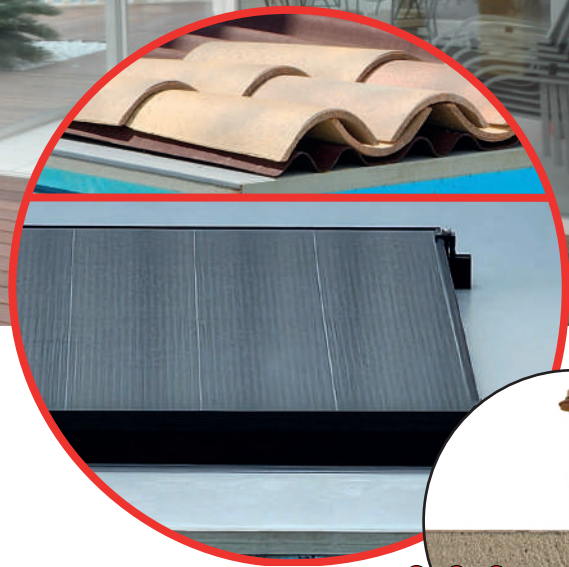
Flat Roof Panel **ISIFIX®**

Flat Roof Panels from PATIO COVER NOVATOIT **ISIFIX®** range allow traditional roofing elements (tiles, slates, etc.), plants or photovoltaic panels to be attached to the exterior, while maintaining a contemporary, refined design, guaranteeing perfect architectural integration in harmony with any type of construction.

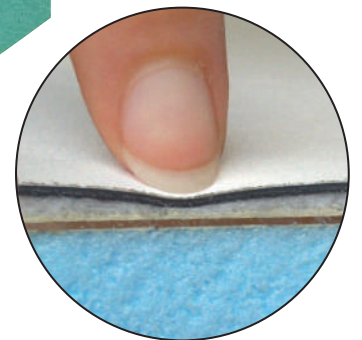
Having established the trend for flat roofs with a very low pitch (2%), AV Composites is now launching a new generation of panels incorporating a universal support function for exterior mounting.

The unique conception of **ISIFIX®** panels allows the direct installation of screws for the attachment of different types of finishes or exterior equipment, while preserving the panels' original mechanical characteristics and watertightness.

Thanks to the SILENCE version with an outer membrane that limits the temperature rise of the aluminum facing, stability is optimized and acoustic comfort is enhanced.



Reference Thermal :  
XP196R16



Reference Silence :  
XP200SR16



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# 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 (33 kg/m<sup>3</sup>) no CFC and  
High-Density PET (145 kg/m<sup>3</sup>) λ = 0.028

## 3 Panels Connection

Aluminum Connector in the foam core's  
grooves

## 4 Bonding

Two-Components PU adhesive

## 5 Panel Nominal Thickness

196 mm without membrane  
200 mm with membrane

## 6 Panel Specs

### Thermal Loss Coefficient

$U = K = 0.141 (196) - 0.139 (200) \text{ W / K.m}^2$

### Thermal Resistance R

$R = 7.07 (196) - 7.18 (200) \text{ K.m}^2 / \text{W}$

## 7 Dimensions - Weight

Width 1195 mm

Length 2500 à 5000 par pas de 250mm

Weight 12.4 (196) - 14.9 (200) 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

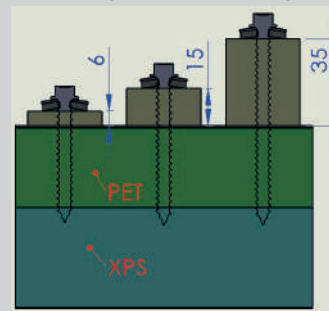
If you have to bolt a thicker piece, create a  
relocation bracket with a height up to 35 mm.

Tightening Torque : stop when washer start starts to crush.

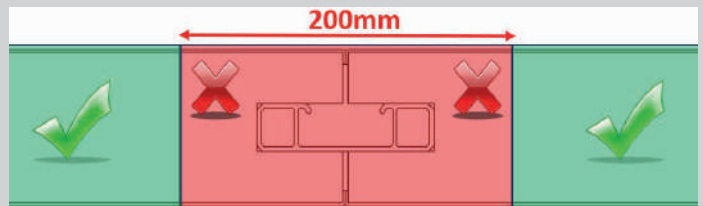


Screw strength (w/ safety factor: 2) : Pk=70 daN/vis  
Adapt the number of screws to suit the element to  
be fastened, its wind load and current regulations.

The screw must always penetrate the entire PET layer  
and the thread has to be present in all of panels' components :



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%.

