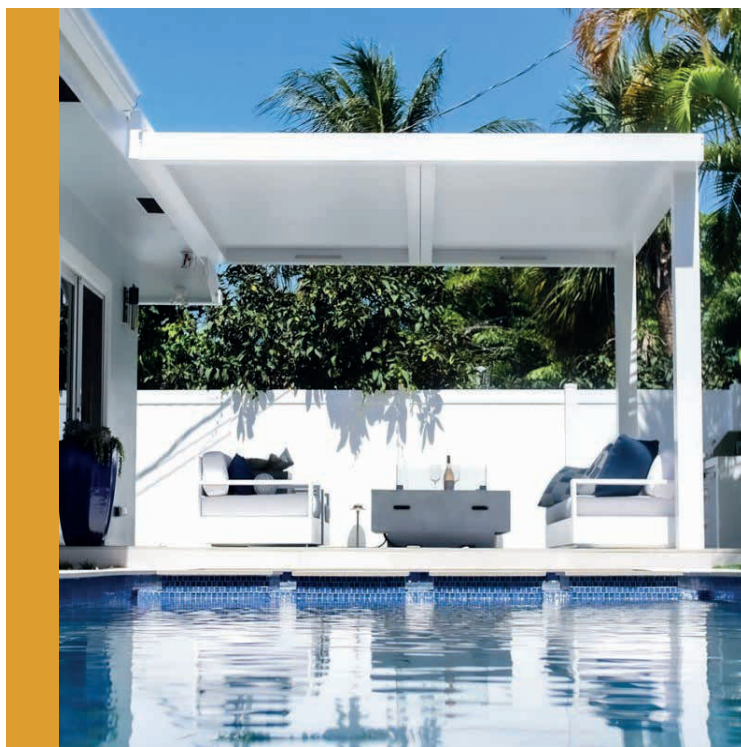




OUTDOOR NOVATOIT®

FLAT TECH Panel ISIFIX®
PERGOLA CARPORT GAZEBO



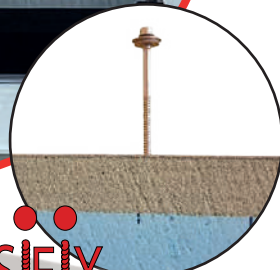
Flat roof panels with integrated slope
Special Outdoor ISIFIX®

The new generation of **FLAT TECH** and **FLAT TECH SILENCE** flat roof panels in the NOVATOIT ISIFIX® range allows the creation of roofs for pergolas, carports or gazebos with no visible structure or slope, and permits the attachment of traditional roofing elements, plants or photovoltaic panels to the exterior.

FLAT TECH panels features a perfectly flat ceiling on the inside, and an **integrated 2% pitch** on the outside. This optimizes gutter height up to 5.5 meters.

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

The acoustic version **FLAT TECH SILENCE**, with outer membrane improves panel stability and provides enhanced acoustic comfort.



Reference Flat Tech :
XP188FT2 R16 : 3000 / 3500 / 4000 / 4500
XP213FT2 R16 : 5000 / 5500
Reference Flat Tech Silence :
XP193FT2S R16 : 3000 / 3500 / 4000 / 4500
XP218FT2S R16 : 5000 / 5500



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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 (33 kg/m3) no CFC and High-Density PET (145 kg/m3) $\lambda = 0.028$

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

4 Bonding
 Two-Components PU adhesive

5 Panel Nominal Thickness
 188 mm and 213mm without membrane
 193 mm and 218mm with membrane

6 Panel Specs
Thermal Loss Coefficient
 $U = K = 0.18$ (188) - 0.17 (213) - 0.18 (193) - 0.16 (218) $W / K.m^2$
Thermal Resistance R
 $R = 5.48$ (188) - 5.84 (213) - 5.59 (193) - 5.95 (218) $K.m^2 / W$

7 Dimensions - Weight
 Width 1195 mm
 Length 2500 à 5000 every 250mm
 Weight 10.9 (188) - 11.3 (213) - 13.4 (193) - 13.7 (218) kg/m^2

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

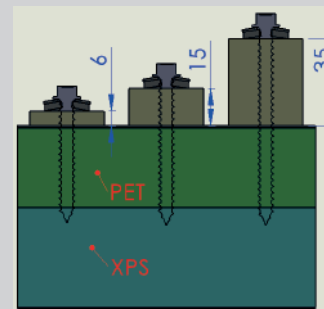
If you have to bolt a thicker piece, create a relocation bracket with a height up to 35 mm.

Tightening Torque : stop when washer start starts to crush.

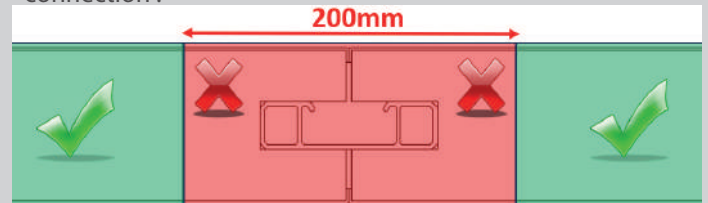


Screw strength (w/ safety factor: 2) : $P_k=70$ daN/vis
Adapt the number of screws to suit the element to be fastened, its wind load and current regulations.

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



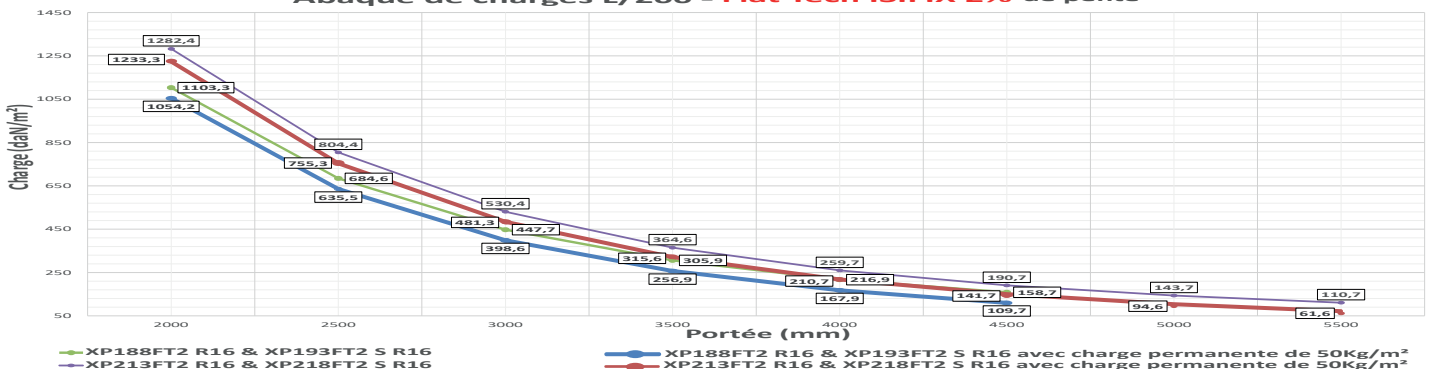
Keep a 200mm fastener free section around the panels connection :



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

Maximum permissible permanent load per m^2 : $50 kg/m^2$ with a MINIMUM SLOPE OF 0%.

Abaque de charges L/200 - Flat Tech ISIFIX 2% de pente



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