



Flat roof panels with integrated slope

The new generation of **Roofing Panels FLAT TECH** and **FLAT TECH SILENCE** of the **NOVATOIT** range allows the realization of roofs for pergolas, carports or gazebos without apparent structure and without slope.

Their specific design features a perfectly flat ceiling on the inside and an integrated 2% sloping roof on the outside.

The self-supporting **FLAT TECH** panels maintain the same ceiling height up to 5.5 meters. This innovation allows to limit the height of support on the facade.

The thinness of these panels and their flat installation ensure a clean design of the roof and an easy integration architectural integration.

The connection system ensure the waterproofing of the roof.

The acoustic version, **FLAT TECH SILENCE**, with membrane provides increased comfort with a high level of a high attenuation of impact noise from the rain.



References Flat Tech :

X122FT2 R16 : 3000 / 3500
X151FT2 R16 : 3000 / 3500 / 4000 / 4500
X203FT2 R16 : 5000 / 5500

References Flat Tech Silence :

X156FT2S R16 : 3000 / 3500 / 4000 / 4500
X207FT2S R16 : 5000 / 5500



1 ALUMINUM Facing

Interior side : polyester lacquer glossy white 9010, matt white 9010, matt white 9016. White Polyamide lacquer 9010 anti-scratch Novastripe®.

Exterior side : glossy white polyester lacquer 9010, matt white 9010, matt white 9016, Roussillon, golden oak golden oak.

Flat Tech Silence Panel : Exterior acoustic device, composed of a non-woven fabric non-woven fabric laminated to a reinforced PVC membrane White Ral 9016, Brown 8004

2 Insulated Panel Core

Foam Core : En polystyrène extrudé, sans CFC

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

3 Panel Bonding

STRUCTURAL two-components polyurethane glue.

4 Panels Thickness

Flat Tech 122
Lg 3000 mm : X122FT2 R16 / th. 122-62 mm
Lg 3500 mm : X122FT2 R16 / th. 122-52 mm

Flat Tech 151 & 203
Lg 3000 mm : X151FT2 R16 / th. 151-91 mm
Lg 3500 mm : X151FT2 R16 / th. 151-81 mm
Lg 4000 mm : X151FT2 R16 / th. 151-71 mm
Lg 4500 mm : X151FT2 R16 / th. 151-61 mm
Lg 5000 mm : X203FT2 R16 / th. 203-104 mm
Lg 5500 mm : X203FT2 R16 / th. 203-94 mm

Flat Tech Silence 156 & 207

Lg 3000 mm : X156FT2 SR16 / th. 156-96 mm
Lg 3500 mm : X156FT2 SR16 / th. 156-86 mm
Lg 4000 mm : X156FT2 SR16 / th. 156-76 mm
Lg 4500 mm : X156FT2 SR16 / th. 156-66 mm
Lg 5000 mm : X207FT2 SR16 / th. 207-107 mm
Lg 5500 mm : X207FT2 SR16 / th. 207-97 mm

5 Panel Characteristics

Heat Loss Coefficient
Mean U or K W/K.m² = 0,32 (X122FT2 R16) / 0.26 (X151FT2 R16) / 0.27 (X156FT2SR16) / 0.18 (X203FT2 R16) / 0.18 (X207FT2 SR16)

Thermal resistance R (RSI)
Mean R = 3.06 (X122FT2 R16) / 3.91 (X151FT2 R16) / 3.94 (X156FT2SR16) / 5.45 (X203FT2R16) / 5.55 (X207FT2 SR16)

Acoustic Gain
X156FT2S R16 Vs X151FT2 R16 longueur 4500 - 8 dB(A) Weighted Mean Value

6 Dimensions - Weight

Width : 1195 mm

Weight kg/m² : 7 (X122FT2 R16) / 7.7 (X151FT2 R16) / 9.9 (X156FT2 SR16) / 9.3 (X203FT2R16) / 11.5 (X207FT2 SR16)

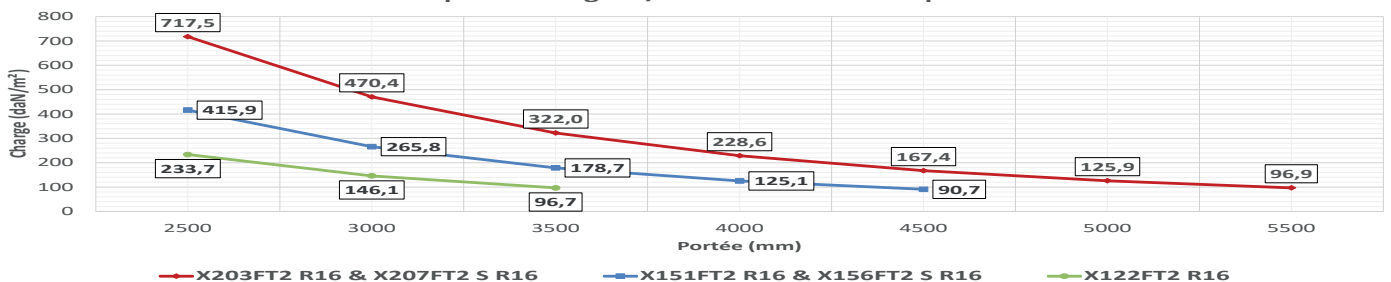
7 Warranty RC Entreprise N° 2/700062

Fire Resistance Quality M1
N°EFR-19-001758A et E thicknesses of 151 & 156 mm

8 Load Charts

Max 5500 mm for altitudes up to 900m & according to applicable regulations.

Abaque de charges L/200 - FlatTech 2% de pente



The installation of the systems must imperatively be done with the accessories of the AV Composites range. In the event of a dispute, the guarantees apply if the advice for use, given in our technical data sheets our installation guides or our Technical Notice are respected. The colorfastness of dark exterior lacquers is not guaranteed over time. The advice and technical data refer to real information and practical experience. They are offered in good faith, but without guarantee, as the conditions and methods of use are not under our control. We reserve the right to make changes at any time without notice.