



Flat roof panels with integrated slope Special Conservatories

The new generation of Roofing Panels **FLAT TECH** and **FLAT TECH SILENCE** from the **CONSERVATOIRES NOVATOIT** range allows the realization of without visible structure and without slope.

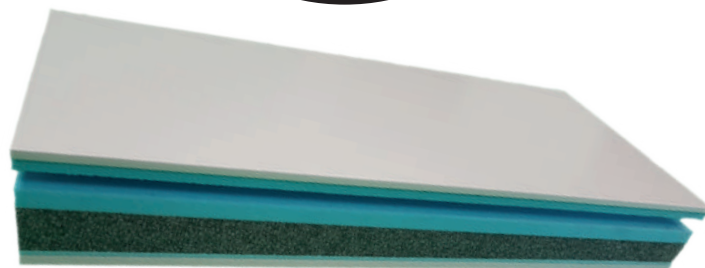
Their specific design offers a perfectly flat ceiling on the inside, while the roof has an integrated slope of 3% on the outside.

The self-supporting **FLAT TECH** panels allow to keep the same height under the ceiling up to 5.5 meters of overhang. This innovation is ideal for extensions and optimizing the living space living space of your home.

The integrated connection system ensures the waterproofing of the roof.

The great thickness of these panels provides an excellent thermal insulation.

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



References Flat Tech :

XEG211FT3 R16 spans up to 4500 mm

XEG241FT3 R16 spans larger than 4500 tp 5500 mm

Références Flat Tech Silence :

XEG215FT3S R16 spans up to 4500 mm

XEG245FT3 SR16 spans larger than 4500 tp 5500 mm



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Facing

ALUMINUM alloy skin

Ceiling (interior) : Polyester coating glossy 9010; matte white 9010; matt white 9016; white Polyamide Lacquer Grainy Ral 9010 anti-scratch Novastripe® with "anti-UV" protection film.
Roof (exterior) : Polyester coating glossy white 9010, matte white 9010, matte white 9016, Roussillon, golden oak.

Panneau Flat Tech Silence :

Exterior acoustic device, composed of a non-woven fabric
Non-woven fabric laminated to a reinforced PVC membrane
White Ral 9016, Brown 8004, Grey 7016

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Insulated Foam Core

Insulated Core :

Extruded Polystyrene, no-CFC
Graphite Expanded Polystyrene

Reported Thermal Conductivity :

$\lambda = 0.028 \text{ W/m.K}$ - EN 12667 - 12939
 $\lambda = 0.029 \text{ W/m.K}$

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Panel Bonding

STRUCTURAL two-components
polyurethane bonding

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Panel Thickness

Flat Tech

Lg 3000 mm : XEG211FT3 R16 / th. 211-121 mm
Lg 3500 mm : XEG211FT3 R16 / th. 211-106 mm
Lg 4000 mm : XEG211FT3 R16 / th. 211-91 mm
Lg 4500 mm : XEG211FT3 R16 / th. 211-76 mm
Lg 5000 mm : XEG241FT3 R16 / th. 241-91 mm
Lg 5500 mm : XEG241FT3 R16 / th. 241-76 mm

Flat Tech Silence

Lg 3000 mm : XEG215FT3 SR16 / th. 215-125 mm
Lg 3500 mm : XEG215FT3 SR16 / th. 215-110 mm
Lg 4000 mm : XEG215FT3 SR16 / th. 215-95 mm
Lg 4500 mm : XEG215FT3 SR16 / th. 215-80 mm
Lg 5000 mm : XEG245FT3 SR16 / th. 245-95 mm
Lg 5500 mm : XEG245FT3 SR16 / th. 245-80 mm

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Panel Characteristics

Heat Loss Coefficient

Mean U or K $\text{W/K.m}^2 = 0,20$ (XEG211FT3R16 & XEG215FT3SR16) / $0,18$ (XEG241FT3R16 & XEG245FT3SR16)

Thermal Resistance RSi

Mean R $\text{K.m}^2/\text{W} = 4,92$ (XEG211FT3R16) / $4,94$ (XEG215FT3SR16) / $5,41$ (XEG241FT3R16) / $5,50$ (XEG245FT3SR16)

Acoustic Gains

XEG215FT3 SR16 Vs XEG211FT3 R16 longueur 4500
- 8 dB(A) Weighted average value

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Mean Dimensions & Weights

Width mm : 1195

Length mm : 3000/3500/4000/4500/5000/5500

Weight kg/m^2 : 9 (XEG211FT3R16) / $11,2$ (XEG215FT3SR16)
 $8,4$ (XEG241FT3R16) / $10,6$ (XEG245FT3SR16)

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Warranty

RC Entreprise N° 2/700062

Fire Resistance : M1 Quality,

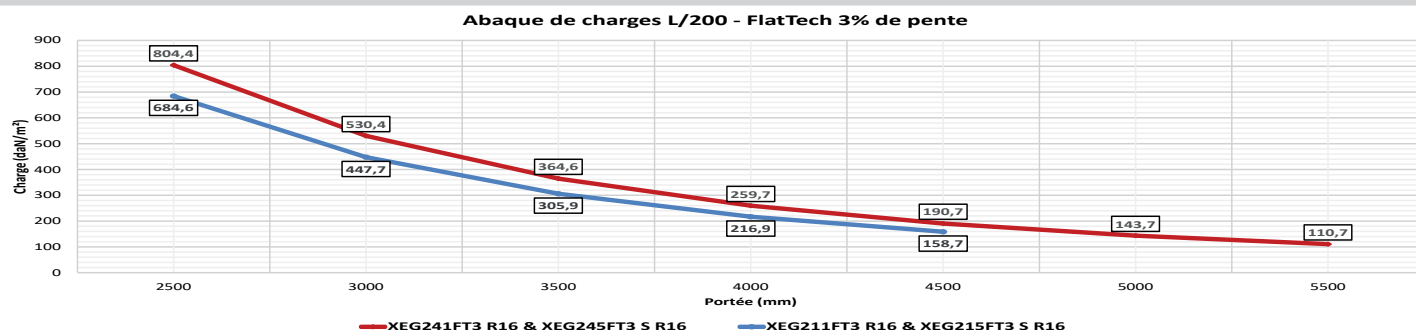
- (XEG211FT3R16) P.V Efectis N° EFR-19-001758 P

- (XEG215FT3SR16) P.V Efectis N° EFR-19-001758 Q

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Load Charts

Max Spans : 5500 mm. for altitudes of up to 900 meters and according to applicable snow and wind regulations.



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.