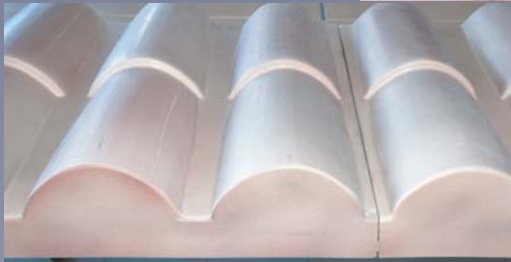
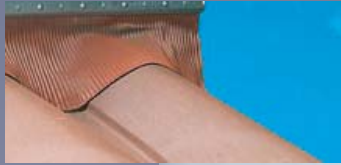




Novatoit®

Tile Panel NG



Tile panel NG



Tile panel NG with plastered sponge

Tile panels NG (New Generation), from the veranda range, are made by bonding techniques with two-component polyurethane which allow a very mechanical good behaviour and guarantee the quality.

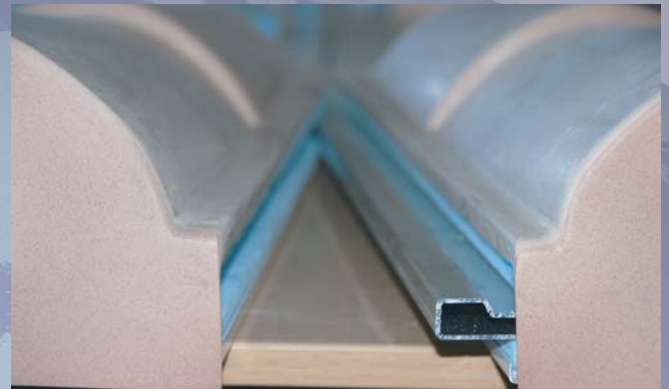
This specific product has been conceived with an exterior cladding in composite materials.

The tile panel is used for the opaque parts of conservatory roofs and house extensions, for new construction or renovation.

The tile panel is directly fixed to the structure or profiles of verandas.

This unique product is lightweight and resistant thanks to the sandwich technology. It is constituted by a facing in composite materials, in the shape and the color of the traditional tiles from Provence (South of France).

Tile panels are also composed of a core in extruded polystyrene and a white aluminium metallic facing (80% of shine) to increase the luminosity inside the veranda. véranda.



AV Composites panels and their systems of junction got a lot of patents!

The advantages of this panel are multiple :

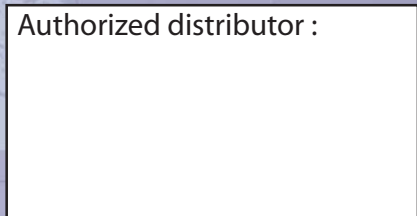
- Respect of traditions : aesthetic identical to traditional tiles
- Fast installation with fixation by self-drilling screw
- Reliability of the waterproofness by a key junction in aluminum
- Excellent thermal resistance and ventilation of the tiles
- An excellent puncture resistance
- Lightweight (6 kg/m²)
- Good acoustic performance (acoustic decoupling in 80 % between the composite panel and the insulating material)
- Reduction of the bimetallic effect of the roof
- Capacity of 4,5m

Prize-winner of the 2010 INPI innovation trophies
Prize-winner of the 2010 DELOITTE Technology Fast 50



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Mail : export@avcomposites.com

Authorized distributor :





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Tile Panel NG

*** Specification sheet of the tile panel ***

1- Covers :

* Outside facing :

Tile with an aged aspect (fiberglass and polyester resin)

* Internal facing :

Aluminium alloy (thickness=8/10) lacquered with a polyester resin (80 % gloss) and with a UV protective film

2- Insulating foam of the panel :

* Insulating foam 50mm :

($\lambda=0.028$ W/m.K) without CFC Polystyrene foam

3- Assembly :

* Grooving and assembly :

- By an aluminium key in the groove of the extruded polystyrene

- Recommendation : Appliance of a seal in putty PU RAL 1001, between the two composite panels, to limit the infiltration of the pollution

- Finish on banks by plastered sponge

- Waterproof ness of ridge, valley, against the wall by flashing identical to the traditional

4- Bonding : Polyurethane glue with two-component

5- Thickness finished panel : 55 à 115 mm

6- Properties :

* Thermal loss coefficient K : $K = 0.5$ W/K.m²

* Thermal Resistance R: $R = 2$ m². K/W

* Loading :

Permissible load :

- 82 daN/m² for an 1/50 bending

- 49 daN/m² for an 1/100 bending

- Safety factor of 2 / break : 88 daN/m²

* Fire Classification :

Aluminium panel, internal facing : Quality M1, following certification LNE N°G031031/CEMATE/1

7- Dimensions - Weight :

* Width : 1200mm

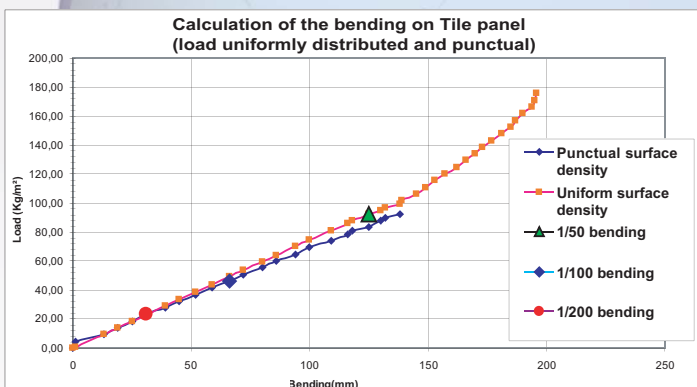
* Length : 3610 - 4710 - 5410- 7210 mm

* Weight : 6 kg/m²

8- Guarantees :

* AV Composite guarantees its products in 10 years

* Company Civil Insurance N°2/677503 - ACTE iard



The installation of the systems must be necessarily made with the accessories of the range AV Composites. In case of dispute, guarantees apply if the advice of use, concerned our specification sheets and the European Technical Approval (ATE) are respected. The composites panels have to be painted, so the coloring of paints has to be guaranteed in the time by the Paint Company and not by AV Composites. The advice and the technical data refer to real information and practical experience. They are offered in good faith, but without guarantee, given that the conditions and the methods of usage are not under our control. We reserve the right to bring modifications at any moment, without advance notice.



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