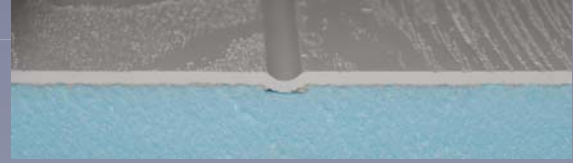




# Wood Effect

# 1/2 Sandwich Panel in Wood Effect Composite



1/2 Sandwich panel in wood effect composite  
23 mm - Ref: VC 23

*A long durability !*



*No maintenance !*

The 1/2 sandwich panel in wood effect composite is assembled by sticking technique with a polyurethane two-component adhesive. The composite facing is produced with a high performance manufacturing technology coming from automotive and aerospace.

These panels have an insulating core in polystyrene that provides excellent thermal insulation. These technics allow very high mechanical performance and guarantee the quality, the flatness, without any porosity in the composite.



Saunas



Aboveground pools, Jacuzzi



Cladding

### Advantages :

- No maintenance
- A high heat insulation
- A traditional aspect (grooving, natural veins, the beauty of the real wood)
- Excellent resistance to UV (with the use of a polyurethane painting)
- Insensible to shocks and scratches
- Insensible to aging
- Deforestation reduction (especially exotic woods)

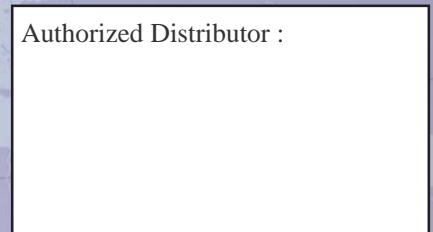
# Patented

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



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Authorized Distributor :





Wood Effect

# 1/2 Sandwich Panel in Wood Effect Composite

## \*\* Specification sheet of the 1/2 Sandwich Panel \*\*

### 1- Covers:

#### \* Outside facing:

Composite on base of fiberglass and polyester resin

\* Color chart : White ivory (Panel to be painted)

2- Insulating foam of the Panel: Polystyrene extruded, without CFC, Thermal conductivity:  $\lambda=0.028$  W/m.K - EN 12667-12939

### 3- Assembly:

#### \* On support metal or wood:

By system of saw autodrill of type SFS (inox)

4- Sticking : Polyurethane glue with two-composant

### 5- Paint:

Facing to be painted : Polyurethane primary brush with a top coat polyurethane paint

Recommended supplier > Beckers: [www.beckerindustrie.fr](http://www.beckerindustrie.fr)

### 6- Thickness :

- Standard thickness : 23 mm

- Other thicknesses possible 29, 32, 52, 82, 102 mm

### 7- Properties:

\* Thermal loss coefficient K (SI: International System)

K SI= 1.3 (23) - 1 (29) - 0.9 (32) - 0.55 (52) - 0.3 (82) - 0.27 (102) W/(m<sup>2</sup>.K)

\* Thermal resistance R (24°C - 75.2 °F):

R = 7.41 (0.91 inch) - 9.68 (1.14 inch) - 10.77 (1.26 inch) - 17.78 (2.05 inch) - 28.35 (3.23 inch) - 35.46 (4.02 inch) ft<sup>2</sup>.h. °F/Btu

R SI = 0.75 (23 mm) - 0.98 (29mm) - 1.09 (32mm) - 1.8 (52mm) - 2.87 (82mm) - 3.59 (102mm) m<sup>2</sup>. K/W

### 8- Dimensions - Weight (grooving lenthways)

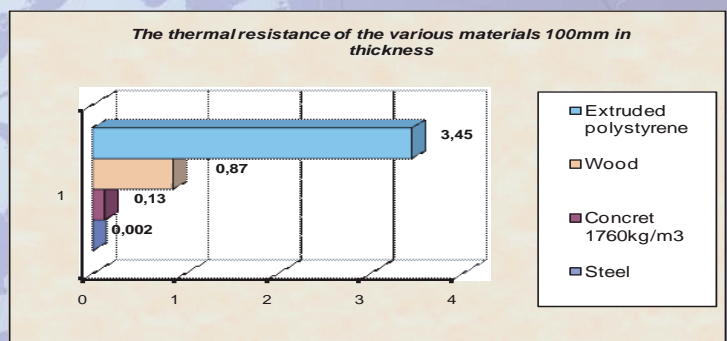
\* Width: 1500mm (59.06 inch) - Length: 2800 mm (110.24 inch)

\* Weight m<sup>2</sup>: 4.6 (23mm) - 4.9 (29mm) - 5 (30mm) - 5.65 (52mm) - 6.67 (82mm) - 7.35 (102mm) kg/m<sup>2</sup>

### 9- Guarantees :

\* 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.



Cost of maintenance for a wood house of 100m<sup>2</sup> cladding (in \$ US.

	1 year	20 years	20 years	20 years	20 years
Cost of painting	\$3 075	\$6 150	\$9 225	\$12 300	\$15 375

	1 year	5 years	10 years	17 years	24 years	31 years	38 years	45 years	52 years
Cost of the lasure	-	-	\$2 101	\$3 809	\$5 517	\$7 225	\$8 933	\$10 642	\$12 350



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