



**CONSERVATORY
NOVATOIT®**

Double-sided Technobond Panel



The **double-sided technobond panels** are part of the **CONSERVATORY** product range. They are assembled with a self-adhesive hot-melt film based on an extruded polystyrene rubber.

The Technobond produced by AV Composites can be used in all temperature conditions (high or low) thanks to its high adhesive strength (high tack).

The Technobond panel is used with metal cladding to build sandwich panels for vertical filling destined to be transoms, spandrels, window fillings, service doors, ...

AV Composites' panels, together with their junction systems are protected by numerous patents!



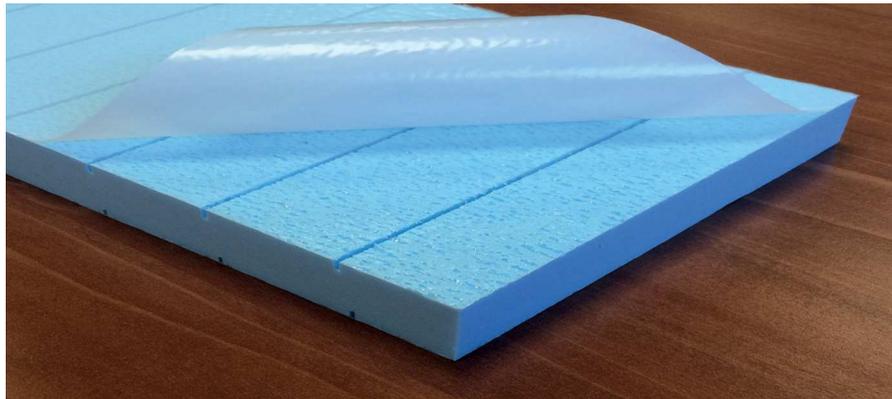
TECHNOBOND 14, 20,5, 25, 27, 30, 50, 81mm



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Authorized Retailer

Prizewinner of the 2010 INPI Innovation Trophies
Prizewinner of the 2010 DELOITTE Technology Fast 50



Technical Specifications

1 Covering

Good performance on any type of material

- Metal: steel, aluminium
- Organic: PE foam, PU, ... except PVC

The Technobond panel must be installed on smooth surfaces

2 Core of the panel

Insulating core

Extruded polystyrene, $\lambda = 0.028$, without CFC

Glue

Rubber-based adhesive 80g/m² (100% dry extract)

Translucent amber - high tack

Silicone paper

92 g/m²

3 Assembling

Tight by a profil system

Doesnot exist in self-supporting version

4 Montage

For an optimal adhesion, surfaces must be clean, dry, exempt from grease & dust and degreased with a recommended solvent such as: Isopropyle Alcohol, Heptane.

Never use white spirit or petrol.

Using a pressure like «marouflage, roll» improves the contact and increases the initial resistance of the final assembly.

Temperature range for application

15° to 40°C (25°C to 40°C ideally)

5 Thickness of finished panels

14, 20,5, 25, 27, 30, 50, 81mm

Panels specifications

Thermal loss coefficient

U = K = 1,56 (14) - 1,14 (20,5) - 0,96 (25) - 0,90 (27) - 0,82 (30) - 0,51 (50) - 0,33 (81) W / K.m²

Thermal Resistance R

R= 0,64 (14) - 0,87 (20,5) - 1,03 (25) - 1,10 (27) - 1,21 (30) - 1,92 (50) - 3,03 (81) K.m² / W

Softening point: 110°C Approx.

SAFR (Shear Adhesion Failure

Temperature): 70°C Approx.

Peeling strength: 35N/m² Approx.

6 Dimensions - Weights

Larg. 1200mm - **Long.** 3000mm (20,5 - 25 - 30)

Larg. 1200mm - **Long.** 2510mm (14 - 27 - 50 - 81)

Weight 0,46 (14) - 0,68 (20,5) - 0,83 (25) -

0,89 (27) - 0,99 (30) - 1,65 (50) -

2,67 (81) kg/m²

7 Warranty

Company Civil Insurance N° 2/700062

Shelf life:

12 months (between 10° and 35°C)



The installation of our systems must be made with the accessories of the AV Composites range. In case of dispute, the guarantees only apply if the user recommendations contained in our data sheets and Technical Notice, are met. Dark exterior color holding (such as: Slate) can not be guaranteed in time. The advice and technical data refer to real informations and practical experiences. They are offered in good faith but without guarantee, since the conditions and methods of use are not under our control. We reserve the right to make change at any time without notice.