



Clean Room Panels

These **aluminium insulating panels** are part of the **INDUSTRY** product range. They are assembled with a bonding technique with a bi-component polyurethane glue which allows excellent mechanical properties and guarantees the quality.

Always seeking innovation, AV Composites offers with the brand **NOVACLEAN®** a new range of technical aluminium insulating sandwich panels as well as processes to manufacture environmentally controlled rooms :

- Medical / Pharmacy
- Microelectronics
- Manufacturing processes of the food industry
- Petrochemicals
- Fine industry

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



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

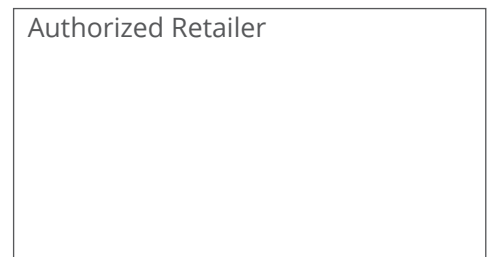


Aluminium accessory range



PVC accessory range

Authorized Retailer





Technical Specifications

1 Covering Cladding

Aluminium sheet (thickness 8/10th) lacquered with a polyester resin and a UV resistant film

Color chart

White 9010 (bright & dull), White 9010 (grainy),
Upon request: aluminium cladding with an antibacterial film

2 Core of the panel Insulating core

Extruded polystyrene, $\lambda = 0.028$, without CFC
Upon request: Thermoplastic

3 Assembling

. Tight by aluminium junction keys



4 Gluing

Polyurethane two-component adhesive

5 Thickness of finished panels

Filling range: 16, 32, 52, 57, 82mm

6 Panels specifications Thermal loss coefficient

$U = K = 1,55 (16) - 0,82 (32) - 0,51 (52) - 0,47 (57) - 0,33 (82) \text{ W / K.m}^2$

Thermal Resistance R

$R = 0,64 (16) - 1,21 (32) - 1,92 (52) - 2,10 (57) - 3,03 (82) \text{ K.m}^2 / \text{W}$

Fire resistance

M1 Quality,
according to LNE N° P107497 certification

7 Dimensions - Weights

Width 1195 mm

Length 2500 à 7500 with steps of 250mm

Weight 5,25 (16) - 5,78 (32) - 6.44 (52) - 6,6 (57) - 7,47 (82) kg/m²

8 Warranty

Company Civil Insurance N° 2/700062