

Clean Room Panels



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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 inovation, 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 paterns!



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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



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Technical Specifications

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, λ = 0

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

Assembling

3

. 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) W / K.m²

Thermal Resistance R R = 0,64 (16) - 1,21 (32) - 1,92 (52) - 2,10 (57) - 3,03 (82) K.m² / 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

Warranty

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Company Civil Insurance N° 2/700062



The installation of our systems must be made with the accossories 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 guaranted 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.