RenoPanel
with FRP Euroclass E

Description

RenoPanel is a combined panel.
RenoPanel is compliant with HACCP regulation and the connection is made with an omega profile.

It is composed of 2 parts :
- **Part I** = Polypropylene corrugated sheet
- **Part II** = FRP sheet Euroclass E

Application

For renovation and new-build.
Because of the weight ideal for the renovation of ceilings.

Advantages

- Water resistant and waterproof (NBN 492)
- Resistant to many chemicals
- Resistant to many living organisms (fungi, bacteria, insects, vermin, ...)

Performance

Temperature range: 0°C / +60°C

Technical data

Part I = Polypropylene corrugated sheet

Width:		1.200 mm	
Thickness:		10 mm	
Maximum length:		3 m	
Tolerance:		thickness:	± 0,1 mm
		width:	± 1 mm
		length:	± 3 mm
Weight:		1800 g/m²	
Panel material:		Polypropylene	
Density:		0,900 - 0.905 g/cm²	ISO 1183
Flexural modulus:		1200 - 1450 N/mm²	ISO 178
Tensile strength yield:		27 - 28 MPa	ISO 527 - 2
Strain at break:		7 - 12 %	ISO 527 - 2
Izod impact strength	(notched, à 23°C)> 60 kJ/m²		ISO 180/1A
	(notched, à -20°C)	8 kJ/m²	ISO 180/1A
Vicat softening point		150 °C	ISO 306/A
Heat deflection temperature		85 - 95 °C	ISO 75/B
Coefficient of thermal expansion α:		8.0 - 10 *10-5 cm/cm°C	

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Part II = FRP sheet , glued on 1 side

The FRP sheet is a glass fiber reinforced composite polyester sheet, opaque, available with a smooth or embossed surface.

- Hardness: 30 - 40 (selon l'unité Barcol)
- Impact resistance : 180 J/m
- Fire classification : available in Euroclass E and Euroclass B,s2-d0
- Color : Blanc - RAL 9016
- Surface structure : embossed or smooth
- Sides: straight
- Thickness: Euroclass E: embossed: 2.3 mm
  smooth: 2 mm
  smooth mat: 2 mm

For additional technical information see the technical data sheet of FRP-sheets.

Characteristics

Food safe
Economical Ecological
Chemical resistant
Anti-fungal Anti-bacterial
Water- and dirt resistant
Non-corrosive
Easy to clean
Assumes no odors
High impact- and scratch proof
Quick and easy to install
Cooled and heated spaces
Optional fire retardant, standard Euroclass E
Doesn't discolour
Anti-graffiti
Easy reparable
All RAL colours, standard RAL 9016 (Hygienic white)

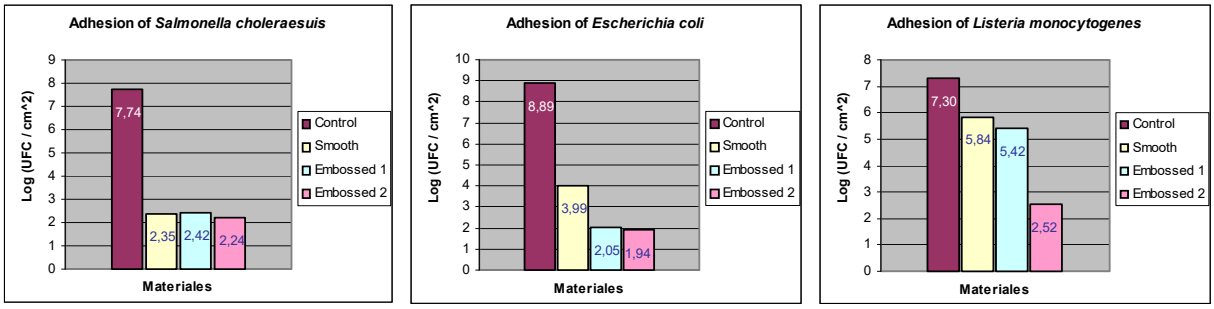
- FOOD-SAFE & accepted by HACCP, IFS ,EU, BRC, FDA, USDA, ...

compliant

- Afsset (A+) – Greenguard certificate (lowest possible emissions in the interior)

'Bacterial adherence to covering materials in food industry' study
Performed by the university of Vigo (full report on demand)

- control material = RVS (AISI 304)
- smooth = FRP smooth surface
- embossed 1 = FRP embossed surface, discontinued
- embossed 2 = FRP embossed surface, the currently available FRP sheet



Consumption

- Hard Fix Glue / m2: 600 cc with line bonding
- Food Safe sealant White / m2: 150 cc

Mounting

- Glued to the surface with Hard Fix Glue
- Joints made by an omega profile
- For ceilings an additional nylon plug is used

