

## **RenoPanel** with CleanSheet (FRP), Euroclass E

### **Description**

The PolySto RenoPanel is an advanced, lightweight panel constructed from robust polypropylene (honeycomb structure) with high-grade PolySto CleanSheet lamination. The RenoPanel is a hygienic, easy-to-install solution to renovate your ceiling. Connection between panels with HygiSeal or omega-profiles.

It is composed of 2 parts :

- **Part I** = Extruded polypropylene with a polyester fleece layer and PP closure film
- **Part II** = PolySto CleanSheet (FRP), Euroclass E

### **Application**

Hygienic ceilings for renovation and new-build.

### **Advantages**

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

### **Performance**

Temperature range: -30°C / +80°C

### **Technical data**

#### **Part I = Extruded polypropylene corrugated sheet - Honeycomb structure**

- Width: 1.200 mm (+2 / -1 mm)
- Thickness: 10 mm (+/- 0,3 mm)
- Maximum length: 3 m (+10 / -1 mm)
- Cell diameter: 8,0 mm
- Cell wall density: 80 kg/m<sup>3</sup>
- Total core density: 117 kg/m<sup>3</sup>
- Weight per unit area: 1170 g/m<sup>2</sup>
- Compressive strength (ASTM C365): 1,2 MPa
- Compressive modulus (ASTM C365): 40 MPa
- Shear strength (CD, L / MD, W) (ASTM C273): 0,5 / 0,3 MPa
- Shear modulus (CD, L / MD, W) (ASTM C273): 15 / 6 MPa
- Thermal conductivity: 0,065 W/m\*K
- Surface finish: 50 µm Polypropylen Film  
40 g/m<sup>2</sup> Polyester non-woven
- Fire classification: no classification
- Thermal expansion: similar to CleanSheet (FRP)

## Part II = CleanSheet , glued on 1 side

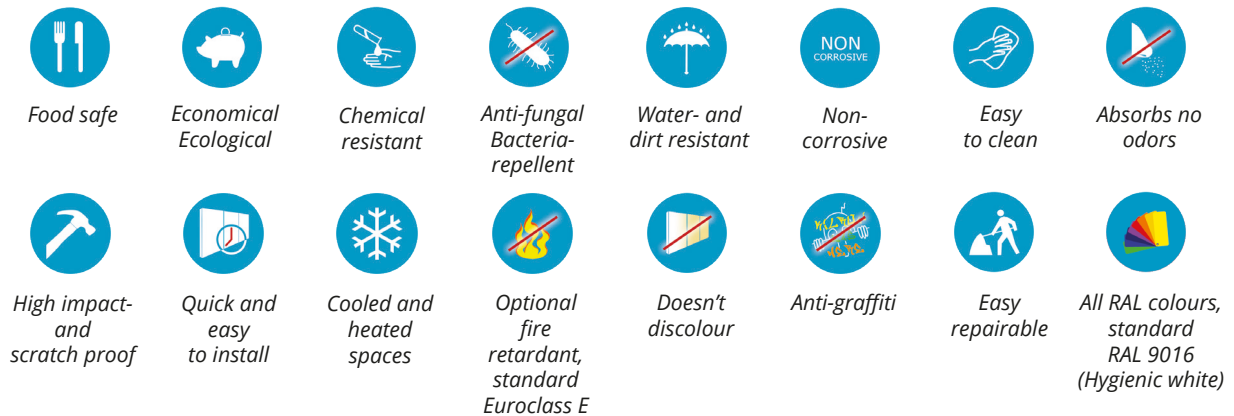
CleanSheet is a glass fiber reinforced composite polyester sheet, opaque, available with a smooth or embossed surface.

- Hardness: 30 - 40 (according to Barcol unit)
- Impact resistance : 180 J/m
- Fire classification : available in Euroclass E and Euroclass B,s2-d0
- Color : White - RAL 9016
- Surface structure : embossed or smooth
- Sides: straight
- Thickness: Euroclass E:
 

embossed:	1,5 mm
smooth:	1,5 mm
smooth mat:	2 mm

For additional technical information see the technical data sheet of the Polysto CleanSheet.

### Characteristics



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



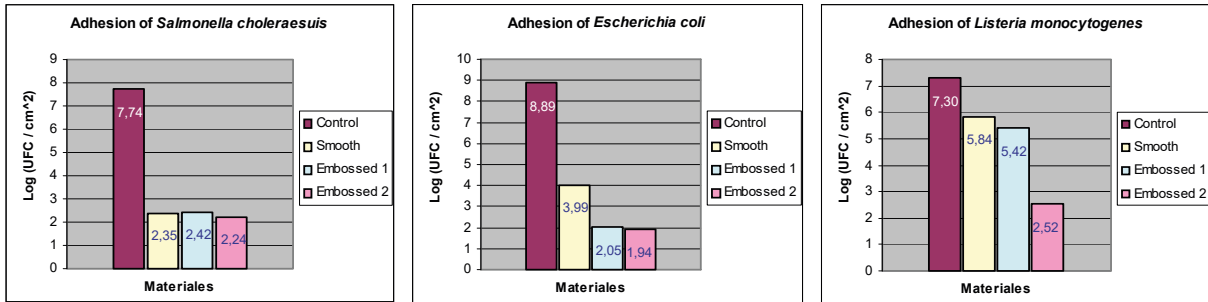
- Afsset (A+) – Greenguard certificate (lowest possible emissions in the interior)



'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 = CleanSheet smooth surface
- embossed 1 = CleanSheet embossed surface, discontinued
- embossed 2 = CleanSheet embossed surface, the currently available sheet



### Consumption

- Hard Fix Glue / m2: 600 cc with line bonding
- HygiSeal / m2: 125 cc
- Food Safe sealant White / m2: 150 cc (in combination with profiles)

### Mounting

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

### Packaging

10mm + 1,5 mm CleanSheet: 50 panels/pallet

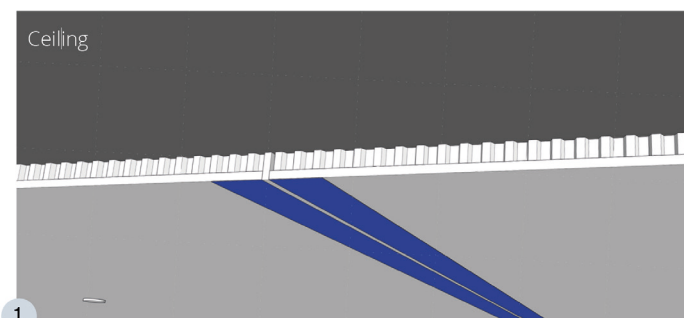
### Average installation time

#### New build

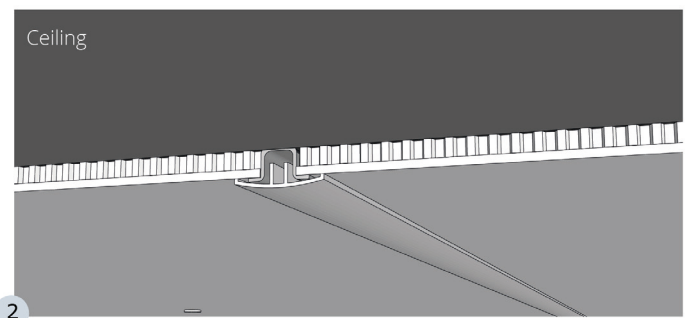
40 m<sup>2</sup> / day / 3 installers

#### Renovation

30 m<sup>2</sup> / day / 3 installers



1 RenoPanel with HygiSeal joint.



2 RenoPanel with omega profile.

