



Products in Ecoblanc Plus VV white glass wool felt

Ecoblanc Plus VV type white glass wool felts are made using white glass wool treated with special phosphoric mineral binder, which ensures compliance with the most stringent regulations on the emission of formaldehyde, and which, in addition to excellent thermal-sound insulation, also provides excellent electrical insulation. The products feature a special strengthened longitudinal glass veil support - containing glass fibre - with suitable rigidity and resistance to manual or automatic handling. The support also has outstanding anti-dust characteristics and it does not conduct electricity. These products are mainly used for heat insulation in the mass production of equipment, generally for domestic use (built-in ovens – kitchens). They guarantee constant performance over time thanks to their totally inorganic origin. They can withstand considerable temperature changes. They cannot decompose and are totally resistant to mould and bacteria. These products can be supplied with densities ranging from 30 to 40 kg/m³, depending on thickness and design, in order to obtain a product with correct resistance to handling. Thicknesses can vary from 20 to 40 mm.

TECHNICAL PROPERTIES

Feature	Value	Unit of measurement	Standard
Reaction to fire	Euroclass A1	-	EN 13501
Melting temperature	700 °C	°C	DIN 4102/T17
Working temperature	≤ 450 °C	°C	EN 14706
Water vapour diffusion resistance (μ)	1.4	-	EN 12086
Thermal conductivity (λ) at an average temperature of:	Density		
		30 ÷ 35 kg/m ³ (nominal)	40 kg/m ³ (nominal)
50 °C	0.038 W/m·K		0.036 W/m·K
100 °C	0.047 W/m·K		0.044 W/m·K
150 °C	0.059 W/m·K		0.054 W/m·K
200 °C	0.073 W/m·K		0.065 W/m·K

PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: white material in a solid aggregate state.
- Maximum working temperature of product: 550 °C
- Thermal decomposition of binder above approximately 1000°C
- Hazardous products of decomposition: none
- Flashpoint: irrelevant
- Flammability: irrelevant

PACKAGING

The products, die-cut or shaped according to customer specifications, can be packed in polythene bags or in cardboard boxes.