



Products in Ecoblanc white glass wool felt

Ecoblanc 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. Depending on specific requirements, they can be coated on one or both sides with smooth aluminium or aluminium mesh, white or black glass cloth, glass veil and other materials on request. Products made from Ecoblanc felt enjoy long-term performance thanks to their completely inorganic origin. They can withstand considerable temperature changes. They also cannot decompose and are totally resistant to mould and bacteria. They 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. These products are mainly used for heat insulation in the mass production of equipment, generally for domestic use (built-in ovens – kitchens).

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.