

Facade plugs from mineral wool

TECHNICAL SPECIFICATION

Facade plugs are cut from mineral wool facade panels. They have a round shape and the fibres are orientated longitudinal.

APPLICATION

Facade plugs are used in external thermal insulation composite systems (ETICS), prevent thermal and acoustic bridges from the metal dowels, which are usually used for the mineral wool thermal insulation systems.

DIMENSIONS AND PACKAGING

Diameter	[mm]	65	70*
Thickness	[mm]	15	
Box	[pcs]	200	

*Minimum volume to be consulted with the manufacturer.

PACKAGING, TRANSPORT, WAREHOUSING

Facade plugs are packed in cardboard boxes. The material must be transported and stored under conditions preventing its exposure to water or other degradation.



BENEFITS

- prevention of thermal bridges caused by anchoring dowels
- the thermal parameters of the facade can also be guaranteed at the anchoring dowels
- prevention of dowel disk visibility on the facade
- prevention of the building of algae and fungi on the facade at the anchoring dowels
- savings on the cost of dowels - shorter dowels can be used
- protection of the dowel plastic plate against fire



TECHNICAL PARAMETERS

Parameter	Unit	Methodology	Value	Designation code
Geometric shape				
Length <i>l</i>	[% , mm]	EN 822	±2 %	
Width <i>b</i>	[% , mm]	EN 822	±1.5 %	
Thickness <i>d</i>	[% , mm]	EN 823	-1 % or -1 mm ¹⁾ and +3 mm	Class of thickness tolerances T5
Deviation from squareness of the edge on length and width <i>S_b</i>	[mm·m ⁻¹]	EN 824	5	
Deviation from flatness <i>S_{max}</i>	[mm]	EN 825	6	
Relative change in length $\Delta\epsilon_l$, in width $\Delta\epsilon_b$, in thickness $\Delta\epsilon_d$	[%]	EN 1604	1	Dimensional stability under the specified temperature and humidity conditions DS(70,90)
Thermal technical properties				
Declared value of the thermal conductivity coefficient λ_D ²⁾	[W·m ⁻¹ ·K ⁻¹]	Declaration according to EN 13162+A1 Measurement according to EN 12667	0.036	
Design thermal conductivity λ_D ³⁾	[W·m ⁻¹ ·K ⁻¹]	ČSN 73 0540-3	0.040	
Specific heat capacity <i>c_d</i>	[J·kg ⁻¹ ·K ⁻¹]	ČSN 73 0540-3	800	
Mechanical properties				
Compressive stress at 10% deformation σ_{10}	[kPa]	Declaration according to EN 826	40	Declared level of compressive stress at 10% deformation CS(10)40
Tensile strength perpendicular to faces σ_{mt}	[kPa]	Declaration according to EN 1607	15	Declared level of tensile strength perpendicular to faces TR15
Fire safety properties				
Reaction to fire class	[-]	Declaration according to EN 13501-1+A1	A1	
Maximum temperature for use	[°C]		200	
Melting temperature <i>t_f</i>	[°C]	DIN 4102 part 17	≥ 1000	
Hydrothermal properties				
Short term water absorption <i>W_p</i>	[kg·m ⁻²]	Declaration according to EN 13162+A1 Measurement according to EN 1609	1	Declared level for short term water absorption WS
Long term water absorption by partial immersion <i>W_p</i>	[kg·m ⁻²]	Declaration according to EN 13162+A1 Measurement according to EN 12087	3	Declared level for long term water absorption by partial immersion WL(P)
Water vapour diffusion resistance factor μ	[-]	Declaration according to EN 13162+A1 Measurement according to EN 12086	1	Declared value for water vapour diffusion resistance factor MU1
Other properties				
Density	[kg·m ⁻³]	EN 1602	x ⁴⁾	

¹⁾ Whichever gives the greatest numerical tolerance.

²⁾ Declared values were set under the following conditions (reference temperature 10 °C, humidity u_{dry} , which is reached by drying) according EN ISO 10456.

³⁾ It is valid for typical use in construction with risk of condensation. In the case of construction without any risk of condensation it is possible to use the declared value of thermal conductivity.

⁴⁾ Other technical parameters available from the manufacturer upon request.

RELATED DOCUMENTS

- Certificate of constancy of performance 1390-CPD-0312/11/P
- Declaration of Performance CZ0001-024
- Quality class A
- ISO 9001, ISO 14001, ISO 45001, ISO 50001

21. 6. 2021 The information is valid up to date of publishing. The manufacturer reserves right to change the data.