

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.

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 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.

DIMENSIONS AND PACKAGING

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

* Consult with producer for terms of delivery.

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_e</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 thermal conductivity coefficient $\lambda_{b,3)$	[W·m ⁻¹ ·K ⁻¹]	Declaration according to EN 13162+A1	0.035	
		Measurement according to EN 12667		
Design thermal conductivity $\lambda_{b,4)$	[W·m ⁻¹ ·K ⁻¹]	ČSN 73 0540-3	0.037	
Specific heat capacity <i>c_d</i>	[J·kg ⁻¹ ·K ⁻¹]	ČSN 73 0540-3	800	

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Parameter	Unit	Methodology	Value	Designation code	
Mechanical properties					
Compressive stress at 10% deformation σ_{10}	[kPa]	Declaration according to EN 826	30	Declared level of compressive stress at 10% deformation	CS(10)30
Tensile strength perpendicular to faces σ_{mt}	[kPa]	Declaration according to EN 1607	10	Declared level of tensile strength perpendicular to faces	TR10
Fire safety properties					
Reaction to fire class	[-]	Declaration according to EN 13501-1+A1	A1		
Maximum temperature for use	[°C]		200		
Melting temperature t_f	[°C]	DIN 4102 part 17	≥ 1000		
Hydrothermal properties					
Short-term water absorption W_p	[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 W_{ip}	[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⁾ Value with greatest numerical tolerance.

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

³⁾ 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

- Declaration of Performance CZ0001-024
- Certificate of constancy of performance
- Quality class A
- ISO 9001, ISO 14001, ISO 45001, ISO 50001

27/7/2023 The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.