

Isover BSP

Slabs of mineral wool



PRODUCT DESCRIPTION

Isover BSP is very strong and rigid slab.



APPLICATION

Isover BSP is very strong and rigid stone wool slab used for fire-stopping solutions (Hilti, Intumex, etc.) when pipes, cables, etc. penetrate fire separation walls.

Despite the fact that hydrophobing additives in the insulation impede the ingress of water, it is necessary to protect the slab in the construction against moisture and possible mechanical damage by a proper manner.

BENEFITS

- Slab suitable for fire-stopping solutions (Hilti, Intumex, etc.) when pipes, cables, etc. penetrate fire separation walls
- Easy to handle, easy to cut with a sharp knife.

PACKAGING, TRANSPORT, WAREHOUSING

The product is supplied as free slabs 625 × 1000 mm stored on a wooden pallet with dimension 1250 × 1000 mm, piled on top of each other or as packages 625 × 1000 mm on a pallet. Slabs must be stored in covered places under such conditions to avoid moistening or other degradation.

DIMENSIONS AND PACKAGING

Thickness [mm]	Free slabs on a pallet	
	Dimensions [mm]	[m ²]
50	625 × 1 000	30.00
60	625 × 1 000	26.25

TECHNICAL PARAMETERS

Parameter	Unit	Value	Standard
Thermal technical properties			
Declared value of the thermal conductivity coefficient λ_p (based on the set of measured values according to EN 12667)	W·m ⁻¹ ·K ⁻¹	0.039	EN 13162
Specific heat capacity c_p *	J·kg ⁻¹ ·K ⁻¹	800	ČSN 73 0540-3
Physical properties			
Density (50 mm)*	kg·m ⁻³	162	EN 13470
Density (60 mm)*	kg·m ⁻³	150	EN 13470
Short-term water absorption (W_p) WS	kg·m ⁻²	<< 1	EN ISO 29767
Long-term water absorption by partial immersion $W_{p, WL(P)}$	kg·m ⁻²	< 3	EN 12087
Water vapour diffusion resistance factor (μ) MU*	-	1	EN 12086
Mechanical properties			
Compressive stress at 10% deformation (σ_{10}) CS(10)	kPa	≥ 60	EN 826
Perpendicular tensile strength (σ_{mT}) TR	kPa	≥ 10	EN 1607
Point load at 5 mm deformation (F_p) PL(5)	N	≥ 500	EN 12430
Fire safety properties			
Reaction to fire	-	A1	EN 13501-1
Melting temperature t_i *	°C	≥ 1 000	DIN 4102 part 17

* Informative non-declared value beyond scope of CPR, obtained by concrete tests.

1/11/2023 The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.