
Stone-wool impact sound insulation slab

Heralan-TP

Type of application acc. DIN 18 165 - MinP - T - 04 - A1

Description of the product

Loadable mineral wool impact sound insulation slab made of Heralan stone wool.

- non-combustible, A1 to DIN 4102
- water repellent
- dimensionally stable
- diffusion open structure
- resistant to ageing

Fields of application

For impact and air borne sound insulation and thermal insulation of floors under floating screeds, for floor loads up to 5 KN / m².

Form of delivery

<i>Thickness</i>	<i>[mm]</i>	20/15	25/20	30/25	35/30
<i>m² per packing unit</i>		9.00	7.50	6.00	5.25
<i>Length</i>	<i>[mm]</i>	1200			
<i>Width</i>	<i>[mm]</i>	625			

Further thicknesses are available.

Form of delivery units: Slab packages, PE-shrink wrapped

Technical data

Characteristic	Symbol	Description/Specification				Unit	Standard
Fire behaviour	--	A1 "non combustible"				[---]	DIN 4102
Application temperature	--	≤ 250 °C (max. binder temperature)				[°C]	
Melting point of fibres	--	≥ 1000 °C				[°C]	
Heat transmission group	--	040				[W/mK]	DIN 18165
Calculation value of thermal conductivity	λ_R	0,036				[W/mK]	DIN 52612
Thermal resistance (under load)	t	20/15	25/20	30/25	35/30	[mm]	DIN 52612
	R_t	0,417	0,556	0,694	0,833	[m²K/W]	
Dynamic rigidity, under load	s'	< 15	< 15	< 10	< 10	[MN/m²]	DIN 52615
Nominal density, approx.	R_D	90				[kg/m³]	DIN 18165
Specific heat capacity	--	0,84				[kJ/kg.K]	
Diffiusion resistance factor	μ	~ 1				[---]	DIN 52615

Quality control acc. DIN 18165

Distribution is handled via special trade.

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