
Stone-wool insulating slab

Heralan-FPL

Type of application acc. DIN 18 165 - MinP - W-w - 040 - A1

Description of the product

Stone wool lightweight facade thermal insulation slab made of Heralan stone wool.

- non-combustible, A1 to DIN 4102
- thermal conductivity acc. to DIN 52 612
- melting point of fibres > 1000 °C
- dimensionally stable
- diffusing open structure
- permanently water repellent
- resistant to ageing

Fields of application

Thermal and sound insulation as well as fire protection for ventilated curtain walls and for cavity walls with and without air layer.

Form of delivery

<i>Thickness</i>	<i>[mm]</i>	60	80	100	120	140
<i>m² per packing unit</i>		6.00	4.50	3.75	3.00	2.25
<i>Length</i>	<i>[mm]</i>	1200				
<i>Width</i>	<i>[mm]</i>	625				

Further thicknesses and slabs with natural light or black fleece on one side on request.

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

Technical data

Characteristic	Symbol	Description/Specification					Unit	Standard
<i>Fire behaviour</i>	--	A1 "non combustible"					[---]	DIN 4102
<i>Application temperature</i>	--	≤ 250 °C (max. binder temperature)					[°C]	
<i>Melting point of fibres</i>	--	≥ 1000 °C					[°C]	
<i>Heat transmission group</i>	--	040					[W/mK]	DIN 18165
<i>Calculation value of thermal conductivity</i>	λ_R	0,037					[W/mK]	DIN 52612
<i>Thermal resistance</i>	t	60	80	100	120	140	[mm]	DIN 52612
	R_t	1,62	2,16	2,70	3,24	3,78	[m ² K/W]	
<i>Nominal density, approx.</i>	R_D	45					[kg/m ³]	DIN 18165
<i>Specific heat capacity</i>	--	0,84					[kJ/kg.K]	
<i>Diffusion resistance factor</i>	μ	~ 1					[---]	DIN 52615

Quality control acc. DIN 18165

Distribution is handled via special trade.

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