

Stone Wool – High Temperature Insulation Plate – Refractory-Clad

Product Description

One-sided ceramic-clad, pressed stone wool insulation plate with high bulk density for preferred application in temperature zones > 300°C, non-combustible, insulates heat and sound, abrasion-resistant coating, colored surface design, resistant to ageing, neutral in a chemical sense and not dangerous to health according to EC Directive 91/155.

Applications

Environment protection sector, energy sector and chemical industry, e.g. in power plants or heat-treatment units/furnaces as substitution for the standard lining out of heat-resistant steel sheet. Temperature service limit according to AC 101 up to 720 °C; gas speeds up to over 70 m/sec, as system elements for fire protection of constructions.



Delivery Program

thickness (mm)	length (mm)	width (mm)	piece/M ²	Kg/m ²	pieces/pallet	M ² /pallet	kg/pallet
38	378	378	7	33 (1)	150	21.32	21.32
50	378/380	378/380	7	38 (1)	150	21,70	21,70

Form of delivery: Plate packages stacked on Euro pallets with hood protection

Packaging: PE – shrink-film wrapping

Property Data / Standard Data

Property	Sym bol	Description/Data					Unit	St Classification
Product		Product according to EN 13162						EN 13162
Classification temperature *)	--	800						AGI Q 132 *)
Thermal conductivity in relation to the mean temperature	t _m	50	100	150	200	250	[W/mK]	EN 12667
	λ	0.040	0.045	0.050	0.056	0.062	[W/mK]	
	t _m	300	350	400	450	500	[°C]	
	λ	0.069	0.077	0.087	0.096	0.104	[W/mK]	
	t _m	550	600	650			[°C]	
	λ	0.117	0.129	0.141			[W/mK]	
Nominal density without Refractory-Clad	RD	200					[kg/m ³]	EN 1602
Cold crushing strength Refractory-Clad	CCS	50					[N/mm ²]	ENV 1402-6
Insulating Designation code	--	12.07.168					[---]	AGI Q 132
Longitudinal flow resistance	≡	>					[kPa*s/m ²]	EN 29053
Reaction to fire	--	non-combustible A1					[---]	EN 13501-1
Thermal expansion of coating		linear thermal expansion 0.00 - 0.65					%	EN 993-10
Melting point of mineral fibers	--	1000					[°C]	DIN 4102-17
Weight/m ² Incl. Refractory-Clad		Approx. 33 (1)					[kg/m ²]	

*) according to AGI Q132

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The data listed above are standard values/counts that were determined over a representative time span according to currently valid test standards and methods applied by RHI. However, they are not to be viewed as a binding specification and are, consequently, not to be understood as an express assurance of specific properties. We reserve the right to technical and product enhancement and publication of new data sheets.

(1) = Depending on the thickness of coating / design