Refrax®

PROmor Technical Datasheet

Silicon Carbide Refractory Mortar

Product Type: Dense refractory mortar. Classification: Silicon Carbide. Type of bound: chemical / ceramic. As-delivered condition: dry mass Packaging: 25 kg paper bag with separate phosphate binder. Shelf life: 12 months under normal conditions Processing method: Application with trowel Amount required: 200 kg per 1000 standard bricks for a joint of 2 mm or 1,9 - 2,3 kg /dm³ (depending on installation density Addition of binder (50% solution): 12-13 litre / 100 kg dry mass, additionally. Addition of water: 10-14 litre / 100 kg dry mass

Property	Value		Method
Typical Chemical Analysis	SiC	85,0 %	DIN 51076 DIN 51001
	Al ₂ O ₃	6,0 %	
	P ₂ O ₅	6,0 %	
	Na ₂ O+CaO	1,5 %	
Bulk Density	2,10 g/cm ³		DIN EN 1402-6
Cold Crushing Strength			DIN-ENV 1402-6
after drying at 110 °C	35 MPa		
after firing at 800 °C after firing at 1000 °C	72 MPa 126 MPa		
Thermal Conductivity at 400 - 1000 °C	3 – 6 W/mK		DIN EN 993-15
Maximum grain size	1,0 mm		EN 933-2 : 1996
Maximum service temperature	1250 °C		

www.refractories.saint-gobain.com

The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain Industrial Ceramics. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain Industrial Ceramics Terms and Conditions apply to all purchases. Process parameters and requirements can impact typical data and test methods.



Saint-Gobain Industrial Ceramics Mill Lane, Rainford, St. Helens WA11 8LP • UK P: +44 (0) 1744 882941 F: +44 (0) 1744 884746