

INSULATING REFRACTORY CASTABLE



GOLITE 1.0.6. MIX C&G

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DESCRIPTION

Insulating refractory castable **GOLITE 1.0.6. MIX C&G** is based on vermiculite and is applied as backlining. Special additives are responsible for a low shrinkage. **GOLITE 1.0.6 MIX C&G** can be installed by casting or gunning.

MATERIAL PROPERTIES

	CASTED	GUNNED
Maximum Service Temperature	1000 °C	1000 °C
Maximum Grain Size	4 mm	4 mm
Density after drying at 110 °C (EN 1402-6)	600 kg/m ³	750 kg/m ³
Material Consumption	500 kg/m ³	625 kg/m ³
Mixing Water per 100 kg dry material	100 - 110 litre	

PHYSICAL PROPERTIES

Temperature	Cold Crushing Strength (EN 1402-6)	
110 °C	1 MPa	1,3 MPa
600 °C	0,8 MPa	1 MPa
815 °C	0,8 MPa	1 MPa

Temperature	Thermal Conductivity (EN 993-15)	
110 °C	0,14 W/mK	0,18 W/mK
600 °C	0,20 W/mK	0,25 W/mK
815 °C	0,23 W/mK	0,29 W/mK

Temperature	Permanent Linear Change (EN 1402-6)	
600 °C	-0,5 - -1,0 %	-0,5 - -1,0 %
815 °C	-0,8 - -1,2 %	-0,8 - -1,2 %

CHEMICAL ANALYSIS

Chemical Analysis (ISO 12677)	
Al ₂ O ₃	29 %
SiO ₂	27 %

The technical data represent average values, based on the applicable test standards.
Values are typical but not guaranteed, unless agreed otherwise.