

sicabond®

Silicon Carbide Mortar
A dry granular base mortar

simonsen®

		Typical Value	Standard Deviation
Bulk Density:	..... kg/m ³	2200	
Max. service temp.:	..... °C	1350	
	..... °F	2462	
Time of application after mixing:	..... hours	12	
Thermal Conductivity: ISO 8894-2			
W/(m·K)	@ 200°C.....	7.0	
	@ 400°C.....	7.0	
	@ 600°C.....	7.5	
	@ 800°C.....	7.2	
	@ 1000°C.....	7.1	
Btu/(sq.ft.·h·°F/in.)	@ 392°F.....	48.5	
	@ 752°F.....	48.5	
	@ 1112°F.....	52.0	
	@ 1472°F.....	50.0	
	@ 1832°F.....	49.0	
Size distribution:	> 0.5 mm..... %	0.5	±0.2
	< 0.074 mm..... %	58.0	±3.0
Adhesive Strength after Heating:	110°C (230°F) for 24 h..... MPa	8.2	±1.2
	1000°C (1832°F) for 3 h..... MPa	16.0	±2.6
Chemical Analysis:			
	SiC..... %	85.7	±0.8
	SiO ₂ %	5.5	±1.0
	Al ₂ O ₃ %	3.2	±0.3
	Fe ₂ O ₃ %	0.4	±0.1
Shelf life:	.....max. months		12
Storage:	.....		dry condition

HS Tariff Number: 3816002000
 (Harmonized Commodity Description and Coding System)

Packing: - In double plastic bags and 1 fibre bag containing 25 kilos
 - 1 wooden case contains 40 bags = 1,000 kilos net

SICA-BOND mortar is ideal for laying bricks and filling cavities in aluminium cathodes.

Also excellent for filling voids in carbon block sidewalls caused by oxidation.

simonsen a/s
 Møgelvangs Plads 7
 DK-7900 Nykøbing Mors
 DANMARK
 Tel: Int. +45 9669 1300
 Fax: Int. +45 9669 1301
 e-mail: simonsen@simonsen.eu
 WebSite: www.simonsen.eu



Producer:
LIRR
SINOSTEEL LUOYANG INSTITUTE OF REFRACTORIES RESEARCH CO., Ltd.
 Luoyang, Henan Province
 P.R. of China

An ISO 9001, ISO-14001:2004 and OHSAS 18001:2007 certified company

