

sicabond®

Silicon Carbide Mortar
A dry granular base mortar

simonsen®

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

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