

Sicabond D-Opt[®]

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	4	
Setting time before ramming	..... hours	4	
Thermal Conductivity: <i>ISO 8894-2</i>			
	@ 200°C.....	7.0	
	@ 400°C.....	7.0	
W/(m·K)	@ 600°C.....	7.5	
	@ 800°C.....	7.2	
	@ 1000°C.....	7.0	
Size distribution:	> 0.5 mm..... %	0.1	±0.05
	< 0.074 mm..... %	58.0	±3.0
Adhesive Strength after Heating:	35°C (65°F) for 4 h..... MPa	0.6	±0.2
	110°C (230°F) for 24 h..... MPa	4.8	±0.6
	1000°C (1832°F) for 3 h..... MPa	8.6	±1.2
Chemical Analysis:			
	SiC..... %	85.7	±1.0
	SiO ₂ %	5.5	±1.0
	Al ₂ O ₃ %	3.2	±0.3
	Fe ₂ O ₃ %	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

Sicabond D-Opt 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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