

# Sicabond D-Opt<sup>®</sup>

Silicon Carbide Mortar  
A dry granular base mortar

simonsen<sup>®</sup>

		Typical Value	Standard Deviation
<b>Bulk Density:</b>	..... kg/m <sup>3</sup>	2200	
<b>Max. service temp.:</b>	..... °C	1350	
	..... °F	2462	
<b>Time of application after mixing:</b>	..... hours	4	
<b>Setting time before ramming</b>	..... hours	4	
<b>Thermal Conductivity:</b> ISO 8894-2	@ 200°C.....	7.0	
	@ 400°C.....	7.0	
W/(m·K)	@ 600°C.....	7.5	
	@ 800°C.....	7.2	
	@ 1000°C.....	7.0	
<b>Size distribution:</b>	> 0.5 mm..... %	0.1	±0.05
	< 0.074 mm..... %	58.0	±3.0
<b>Adhesive Strength after Heating:</b>	35°C (65°F) for 4 h..... MPa	0.6	±0.2
	110°C (230°F) for 24 h..... MPa	3.8	±0.6
	1000°C (1832°F) for 3 h..... MPa	7.6	±1.2
<b>Chemical Analysis:</b>	SiC..... %	85.7	±1.0
	SiO <sub>2</sub> ..... %	5.5	±1.0
	Al <sub>2</sub> O <sub>3</sub> ..... %	3.2	±0.3
	Fe <sub>2</sub> O <sub>3</sub> ..... %	0.3	±0.1
<b>Shelf life:</b>	.....max. months		12
<b>Storage:</b>	.....		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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