

SkamoAlu Sical 78 Mortar

Industry

	Value	Unit
Maximum service temperature	1,400	°C
	2,552	°F
Bulk density	1,900	kg/m ³
	119	lb/ft ³
Modulus of rupture (1,400°C)	44	MPa
	6,380	lb/in ²
Water addition	12	%

Thermal conductivity	Mean temperature		
	800°C	>5	W/(m×K)
	1,472°F	35	BTU/(ft ² ×h×°F/in)

Chemical analysis			
Silicon carbide	SiC	82	%
Silica	SiO ₂	8	%
Alumina	Al ₂ O ₃	3	%
Ferric oxide	Fe ₂ O ₃	0.4	%
Others		2	%
Loss on ignition at 800°C (1,472°F)	LOI	5	%

General			
Particle sizing		<250	µm
Shelf life		6	months
Bag size		25	kg
Supplied		Dry	
Product type		Monolithic	
Principal raw material		Silicon carbide	
Nature of bond		Silicate	

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted. Revision number: 11.1.2021