

TECHNICAL DATA

CALDE® SOL GUN F 40 A

PRODUCT TYPE

Maximum recommended temperature	: Alumina - Silica product
Main component	No cement castable
Type of bond	: 1500°C
Appearance	: Chamotte
Packaging	: Mineral reaction
Shelf life	: 2 components: Dry powder and wet binder
Installation method	: Aggregate: sack - Binder: drum
Maximum grain size	: 18 months
Material required	: Gunning
Quantity of binder to be added	: 6 mm
Observation	: 2.55 t/m³ (Dry, Rebound included)
Guidelines	: 12.0 / 13.0 kg per 100 kg of dry material, added at the nozzle
Recommendation	: Alkali resistant
	: Installation Nr 50
	: To be used with second component CALDE®SOL BINDER 1 (see its separated TDS/SDS)

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
SiO ₂	EN ISO 1927-3	57.0	%
Al ₂ O ₃	EN ISO 1927-3	40.0	%
Fe ₂ O ₃	EN ISO 1927-3	0.8	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared by gunning</u>			
<u>Bulk density</u>	CALD 010	-	-
after drying at 110 °C	EN ISO 1927-6	2.10	g/cm ³
after firing at 800 °C	EN ISO 1927-6	2.10	g/cm ³
<u>Open porosity</u>	EN ISO 1927-6	20	%
after firing at 800 °C	EN ISO 1927-6	55	MPa
<u>Cold crushing strength</u>	EN ISO 1927-6	65	MPa
after drying at 110 °C	EN ISO 1927-6	65	MPa
after firing at 800 °C	EN ISO 1927-6	80	MPa
<u>Permanent linear change</u>	EN ISO 1927-6	-0.1	%
after firing at 800 °C	EN ISO 1927-6	-0.4	%
after firing at 1200 °C	EN ISO 1927-6	-0.3	%
<u>Thermal conductivity</u>	EN ISO 1927-8	1.06	W/mK
at a mean temperature of 800 °C	EN ISO 1927-8	1.11	W/mK
at a mean temperature of 1000 °C	EN ISO 1927-8	1.26	W/mK
<u>Reversible thermal expansion after firing [20-1000 °C]</u>		0.64	%

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The data are current production averages. They cannot be used as limits for a specification.