

CALDE® CAST LT 90 SP G8

PRODUCT TYPE

Maximum recommended temperature	: Special product Low cement castable
Main component	: 1750°C
Type of bond	: Tabular alumina, Spinel
Appearance	: Hydraulic
Packaging	: Dry, for addition of water
Shelf life	: Sacks
Installation method	: 6 months
Maximum grain size	: Vibrating
Material required	: 10 mm
Drinking water required for mixing on site	: 3.20 T/m³
Guidelines	: 3.8 / 4.2 litres per 100 kg of dry material
	: Installation Nr 6

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
Al2O3	EN ISO 1927-3	92.0	%
MgO	EN ISO 1927-3	5.0	%
CaO	EN ISO 1927-3	1.3	%
SiO2	EN ISO 1927-3	0.1	%
Fe2O3	EN ISO 1927-3	0.1	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared according to</u>	EN ISO 1927-5	-	-
<u>Bulk density</u>			
after drying at 110 °C	EN ISO 1927-6	3.19	g/cm³
after firing at 800 °C	EN ISO 1927-6	3.15	g/cm³
<u>Open porosity</u>			
after firing at 800 °C	EN ISO 1927-6	16	%
<u>Cold crushing strength</u>			
after firing at 1000 °C	EN ISO 1927-6	100	MPa
after firing at 1200 °C	EN ISO 1927-6	140	MPa
after firing at 1600 °C	EN ISO 1927-6	200	MPa
<u>Permanent linear change</u>			
after firing at 1000 °C	EN ISO 1927-6	+0.0	%
after firing at 1200 °C	EN ISO 1927-6	+0.1	%
after firing at 1600 °C	EN ISO 1927-6	-0.1	%
<u>Thermal conductivity</u>			
at a mean temperature of 800 °C	EN ISO 1927-8	2.58	W/mK
at a mean temperature of 1000 °C	EN ISO 1927-8	2.76	W/mK
at a mean temperature of 1200 °C	EN ISO 1927-8	2.94	W/mK
<u>Reversible thermal expansion after firing.[20-1000 °C]</u>		0.84	%

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