



TECHNICAL DATA

CALDE® GUN C 28 HR

PRODUCT TYPE

	: Alumina - Silica product
	Regular Castable
Maximum recommended temperature	: 1500°C
Main component	: Chamotte
Type of bond	: Hydraulic
Appearance	: Dry, for addition of water
Packaging	: Sacks
Shelf life	: 12 months
Installation method	: Gunning
Maximum grain size	: 6 mm
Material required	: 2.30 T/m³ (Rebound included)
Drinking water required for mixing on site	: Added at the nozzle
Guidelines	: Installation Nr 23

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
Al ₂ O ₃	EN ISO 1927-3	51.0	%
SiO ₂	EN ISO 1927-3	39.0	%
CaO	EN ISO 1927-3	6.9	%
Fe ₂ O ₃	EN ISO 1927-3	1.1	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared by gunning</u>	CALD 010		-
<u>Bulk density</u>			
after drying at 110 °C	EN ISO 1927-6	2.15	g/cm ³
after firing at 800 °C	EN ISO 1927-6	2.00	g/cm ³
<u>Cold crushing strength</u>			
after drying at 110 °C	EN ISO 1927-6	70	MPa
after firing at 800 °C	EN ISO 1927-6	50	MPa
after firing at 1200 °C	EN ISO 1927-6	30	MPa
after firing at 1500 °C	EN ISO 1927-6	40	MPa
<u>Permanent linear change</u>			
after firing at 800 °C	EN ISO 1927-6	-0.2	%
after firing at 1200 °C	EN ISO 1927-6	-0.3	%
after firing at 1500 °C	EN ISO 1927-6	-1.0	%
<u>Thermal conductivity</u>			
at a mean temperature of 800 °C	EN ISO 1927-8	0.94	W/mK
at a mean temperature of 1000 °C	EN ISO 1927-8	1.00	W/mK
at a mean temperature of 1200 °C	EN ISO 1927-8	1.16	W/mK
<u>Reversible thermal expansion after firing [20-1000 °C]</u>		0.63	%

Commercial Code : MAG50094

Version : 11

Date : 31/10/2013

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

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