calderys REFRACTORY SOLUTIONS

TECHNICAL DATA

CALDE™ GUN STRONG MIX

PRODUCT TYPE	: Alumina - Silica product
	: Regular Castable
PRE Class & group	: Class II - Group 120
VDEh Code	: 0 0 1 4 10 35 22 25
Maximum recommended temperature	: 1320°C
Main component	: Chamotte
Type of bond	: Hydraulic
Appearence	: Dry
Packaging	: Sacks
Shelf life	: 1 year in temperate conditions
Installation method	: Gunning
Maximum grain size	: 6 mm
Material required	: 2.20 T/m³ (Rebound included)
Guidelines	: Installation Nr 23

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
CHEMICAL ANALYSIS			
Calcined basis			
SiO2	EN 1402-3	46.0	%
Al2O3	EN 1402-3	36.5	%
CaO	EN 1402-3	9.8	%
Fe2O3	EN 1402-3	3.9	%
PHYSICAL PROPERTIES			
Measured on samples prepared by gunning	CALD 010		-
Bulk density			
after drying at 110 °C	EN 1402-6	2.05	g/cm3
after firing at 800 °C	EN 1402-6	1.95	g/cm3
Cold crushing strength			
after drying at 110 °C	EN 1402-6	60	MPa
after firing at 800 °C	EN 1402-6	50	MPa
after firing at 1000 °C	EN 1402-6	35	MPa
after firing at 1200 °C	EN 1402-6	35	MPa
Permanent linear change			
after firing at 800 °C	EN 1402-6	-0.25	%
after firing at 1000 °C	EN 1402-6	-0.40	%
after firing at 1200 °C	EN 1402-6	-0.80	%
Thermal conductivity			
at a mean temperature of 800 °C	EN.993-15	0.81	W/mK
at a mean temperature of 1000 °C	EN.993-15	0.82	W/mK
at a mean temperature of 1200 °C	EN.993-15	0.90	W/mK
Abrasion resistance after firing at 800°C	ASTM C 704	< 15	cm3
Reversible thermal expansion after firing at 1000°C	-	0.6	%

Commercial Code : MAG30052 Version : 2 Date : 11.03.2009 (D/M/Y)

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

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