TECHNICAL DATA

CALDE® FLOW MM 68 CO

PRODUCT TYPE	: Alumina - Silica product Medium cement castable
Maximum recommended temperature	: 1630°C
Main component	: High alumina raw materials
Type of bond	: Hydraulic
Appearence	: Dry, for addition of water
Packaging	: Sacks
Shelf life	: 6 months
Installation method	: Self-flowing
Maximum grain size	: 6 mm
Material required	: 2.45 T/m³
Drinking water required for mixing on site	: 6.8 / 7.8 litres per 100 kg of dry material
Guidelines	: Installation Nr 7

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
CHEMICAL ANALYSIS			
Al2O3	EN ISO 1927-3	68.0	%
SiO2	EN ISO 1927-3	26.0	%
CaO	EN ISO 1927-3	2.7	%
Fe2O3	EN ISO 1927-3	0.8	%
PHYSICAL PROPERTIES			
Measured on samples prepared according to	EN ISO 1927-5	-	-
Bulk density			
after drying at 110 °C	EN ISO 1927-6	2.51	g/cm3
after firing at 800 °C	EN ISO 1927-6	2.45	g/cm3
Open porosity			
after firing at 800 °C	EN ISO 1927-6	20	%
Cold crushing strength			
after drying at 110 °C	EN ISO 1927-6	110	MPa
after firing at 800 °C	EN ISO 1927-6	155	MPa
after firing at 1200 °C	EN ISO 1927-6	105	MPa
after firing at 1600 °C	EN ISO 1927-6	90	MPa
Permanent linear change			
after firing at 800 °C	EN ISO 1927-6	-0.2	%
after firing at 1200 °C	EN ISO 1927-6	-0.5	%
after firing at 1600 °C	EN ISO 1927-6	+0.8	%
Thermal conductivity			
at a mean temperature of 800 °C	EN ISO 1927-8	1.61	W/mK
at a mean temperature of 1000 °C	EN ISO 1927-8	1.62	W/mK
at a mean temperature of 1200 °C	EN ISO 1927-8	1.71	W/mK
Abrasion resistance			
after firing at 815°C	EN ISO 16282	< 8	cm3
Reversible thermal expansion after firing [20-1000 °C]		0.65	%

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

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