



## TECHNICAL DATA

### CALDE™ CAST MF 35 S35

PRODUCT TYPE	: Special product
PRE Class & group	: Medium cement castable
VDEh Code	: Class V - Group 150
Maximum recommended temperature	: 0 0 1 8 47 30 24 50
Main component	: 1550°C
Type of bond	: Silicon Carbide, Chamotte
Appearance	: Hydraulic
Packaging	: Dry
Shelf life	: Sacks
Installation method	: 6 months in temperate conditions
Maximum grain size	: Vibrating
Material required	: 6 mm
Drinking water required for mixing on site	: 2.40 T/m³
Guidelines	: 6.0 / 7.0 litres per 100 kg of dry material
	: to be adjusted for desired consistency
	: Installation Nr 6

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<b>CHEMICAL ANALYSIS</b>			
Calcined basis			
SiC	EN 1402-3	35.0	%
Al2O3	EN 1402-3	31.0	%
SiO2	EN 1402-3	28.0	%
CaO	EN 1402-3	2.9	%
Fe2O3	EN 1402-3	0.6	%
<b>PHYSICAL PROPERTIES</b>			
Measured on samples prepared according to	EN 1402-5		-
<u>Bulk density</u>			
after drying at 110 °C	EN 1402-6	2.40	g/cm³
after firing at 800 °C	EN 1402-6	2.38	g/cm³
<u>Cold crushing strength</u>			
after drying at 110 °C	EN 1402-6	120	MPa
after firing at 800 °C	EN 1402-6	150	MPa
after firing at 1400 °C	EN 1402-6	80	MPa
<u>Permanent linear change</u>			
after firing at 800 °C	EN 1402-6	-0.15	%
after firing at 1400 °C	EN 1402-6	-0.30	%
<u>Thermal conductivity</u>			
at a mean temperature of 600 °C	EN.993-15	3.40	W/mK
at a mean temperature of 800 °C	EN.993-15	3.65	W/mK
at a mean temperature of 1000 °C	EN.993-15	3.90	W/mK

Commercial Code : MSF30008

Version : 3

Date : 17.09.2008 (D/M/Y)

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

CALDERYS