



## TECHNICAL DATA

### CALDE™ CAST MF 35 S35

PRODUCT TYPE	: Special product
	: Medium cement castable
PRE Class & group	: Class V - Group 150
VDEh Code	: 0 0 1 8 47 30 24 50
Maximum recommended temperature	: 1550°C
Main component	: Silicon Carbide, Chamotte
Type of bond	: Hydraulic
Appearance	: Dry
Packaging	: Sacks
Shelf life	: 6 months in temperate conditions
Installation method	: Vibrating
Maximum grain size	: 6 mm
Material required	: 2.40 T/m <sup>3</sup>
Drinking water required for mixing on site	: 6.0 / 7.0 litres per 100 kg of dry material
	: to be adjusted for desired consistency
Guidelines	: Installation Nr 6

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<b><u>CHEMICAL ANALYSIS</u></b>			
Calcined basis			
SiC	EN 1402-3	35.0	%
Al <sub>2</sub> O <sub>3</sub>	EN 1402-3	31.0	%
SiO <sub>2</sub>	EN 1402-3	28.0	%
CaO	EN 1402-3	2.9	%
Fe <sub>2</sub> O <sub>3</sub>	EN 1402-3	0.6	%
<b><u>PHYSICAL PROPERTIES</u></b>			
<u>Measured on samples prepared according to</u>	EN 1402-5		-
<u>Bulk density</u>			
after drying at 110 °C	EN 1402-6	2.40	g/cm <sup>3</sup>
after firing at 800 °C	EN 1402-6	2.38	g/cm <sup>3</sup>
<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

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

CALDERYS