

## TECHNICAL DATA

# CALDE® MAG CAST P 93 D2

### PRODUCT TYPE

Maximum recommended temperature	: Basic product
Main component	Dense chemically bonded castable
Type of bond	: 1700°C
Appearance	: Magnesia
Packaging	: Chemical, Phosphate
Shelf life	: Dry, for addition of water
Installation method	: Sacks
Maximum grain size	: 9 months
Material required	: Casting
Drinking water required for mixing on site	: 6 mm
Guidelines	: 2.85 t/m <sup>3</sup>
	: 5.7 / 6.8 litres per 100 kg of dry material
	: Installation Nr 27

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
MgO	EN ISO 1927-3	93.0	%
Cr <sub>2</sub> O <sub>3</sub>	EN ISO 1927-3	2.0	%
CaO	EN ISO 1927-3	1.6	%
SiO <sub>2</sub>	EN ISO 1927-3	1.4	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared according to</u>	EN ISO 1927-5		-
<u>Bulk density</u>			
after firing at 800 °C	EN ISO 1927-6	2.86	g/cm <sup>3</sup>
<u>Cold crushing strength</u>			
after drying at 150 °C	EN ISO 1927-6	50	MPa
after firing at 1200 °C	EN ISO 1927-6	23	MPa
after firing at 1500 °C	EN ISO 1927-6	24	MPa
<u>Permanent linear change</u>			
after drying at 150 °C	EN ISO 1927-6	-0.2	%
after firing at 800 °C	EN ISO 1927-6	-0.1	%
after firing at 1200 °C	EN ISO 1927-6	-0.2	%
after firing at 1500 °C	EN ISO 1927-6	-0.4	%

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