

CALDE® MAG CAST P 93 D2

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

| PRODUCT PROPERTIES | STANDARD | AVERAGE VALUES | UNITS |
|--|---------------|----------------|-------------------|
| CHEMICAL ANALYSIS | | | |
| MgO | EN ISO 1927-3 | 93.0 | % |
| Cr ₂ O ₃ | EN ISO 1927-3 | 2.0 | % |
| CaO | EN ISO 1927-3 | 1.6 | % |
| SiO ₂ | EN ISO 1927-3 | 1.4 | % |
| PHYSICAL PROPERTIES | | | |
| <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 ³ |
| <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 | % |