

TECHNICAL DATA

CALDE® MAG FLOW K 90 HOT

PRODUCT TYPE

| | |
|--|---|
| | : Basic product |
| | No cement castable |
| Maximum recommended temperature | : 1850°C |
| Main component | : Magnesia |
| Type of bond | : Hydraulic |
| Appearance | : Dry, for addition of water |
| Packaging | : Sacks |
| Shelf life | : 9 months |
| Installation method | : Self-flowing |
| Maximum grain size | : 6 mm |
| Material required | : 2.85 T/m³ |
| Drinking water required for mixing on site | : 5.5 / 6.5 litres per 100 kg of dry material |
| Guidelines | : Installation Nr 7 |

| PRODUCT PROPERTIES | STANDARD | AVERAGE VALUES | UNITS |
|---|---------------|----------------|-------------------|
| CHEMICAL ANALYSIS | | | |
| MgO | EN ISO 1927-3 | 90.0 | % |
| SiO ₂ | EN ISO 1927-3 | 7.5 | % |
| CaO | EN ISO 1927-3 | 2.1 | % |
| Fe ₂ O ₃ | EN ISO 1927-3 | 0.4 | % |
| PHYSICAL PROPERTIES | | | |
| <u>Bulk density</u> after firing at 1600 °C | EN ISO 1927-6 | 2.97 | g/cm ³ |
| <u>Open porosity</u> after firing at 1600 °C | EN ISO 1927-6 | 14 | % |
| <u>Cold crushing strength</u> after firing at 1600 °C | EN ISO 1927-6 | 29 | MPa |
| <u>Reversible thermal expansion after firing [20-1000 °C]</u> | | 1.2 | % |

Commercial Code : MBC80032

Version : 12

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