



### PASEK TAP 1

**PRODUCT DESCRIPTION:** Magnesium Silicate

**CHEMICAL ANALYSIS :**

|                                |   | Typical(%) | Range(%)  |
|--------------------------------|---|------------|-----------|
| MgO                            | : | 36,5       | 35 - 38   |
| SiO <sub>2</sub>               | : | 40,5       | 40 - 41,6 |
| Fe <sub>2</sub> O <sub>3</sub> | : | 8,4        | 8 - 9,3   |
| Al <sub>2</sub> O <sub>3</sub> | : | 2,6        | 2,1 - 3,1 |
| CaO                            | : | 2,2        | 1,4 - 2,7 |

**PHYSICAL PROPERTIES:**

|                                      |   |       |
|--------------------------------------|---|-------|
| Specific weight (g/cm <sup>3</sup> ) | : | 2,8   |
| Bulk density (tm/m <sup>3</sup> )    | : | 1,6   |
| Apparent porosity (%)                | : | <1,5  |
| Cold crushing strength (MPa)         | : | 90    |
| Hardness (Mohs scale)                | : | 6,5/7 |

**GRAIN SIZE DISTRIBUTION:**

|          | Typical (%) | Range (%) |
|----------|-------------|-----------|
| > 6 mm   | 1           | < 5       |
| 1-6 mm   | 95          | 90 - 98   |
| < 1 mm   | 2           | < 5       |
| Humidity | Typical (%) | Max. (%)  |
|          | 0,8         | 1,5       |

**APPLICATIONS:**

*Eccentric Bottom Taphole (EBT) for electric arc furnaces*

*This TDS replaces all previous ones*

*The above technical data corresponds to averages obtained in our laboratories over a long period of time and may be subjected to reasonable variations, not constituting therefore a Technical Specification.*

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