

General Duty Castables

Product Data

REPMIX

REPMIX is a 1500°C multipurpose Refractory Castable which can be Cast, Gunned or Trowelled into place. Cast Data;

Maximum Service Temperature: 1500°C

Bulk Density:

Dried to 110°C 1940 - 2030 kg/m³
 Fired to 815°C 1825 - 1925 kg/m³

Cold Crushing Strength:

Fired to 815°C 138 - 345 kg/cm²
 Fired to 1500°C 207 - 414 kg/cm²

Modulus of Rupture:

Fired to 815°C 28 - 69 kg/cm²

Permanent Linear Change(%):

Green to 815°C -0.1 to -0.3
 Green to 1500°C +0.4 to +0.8

Conductivity or "K" Factor:

| Mean Temp. | BTU/ft ² /HR/°F/in | W/mK |
|-----------------|-------------------------------|------|
| 1000°F (540°C) | 4.0 | 0.58 |
| 1500°F (815°C) | 4.4 | 0.66 |
| 2000°F (1095°C) | 5.3 | 0.76 |

Typical Chemical Analysis(%):

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | CaO | Alkalies |
|--------------------------------|------------------|--------------------------------|------------------|-----|----------|
| 46.0 | 37.0 | 3.0 | 1.3 | 8.0 | 0.7 |

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