

GREENSET® 94P

Product Data

Ref:120/31/10/12

Description: 90% alumina, wet phosphate bonded mortar.

- Features:
- Excellent refractoriness.
 - Excellent resistance to aluminium reaction, smooth working characteristics and resistance to slag attack.

- Uses:
- Laying extra-high-alumina brick and as a coating in a variety of applications.

Chemical Analysis: Approximate (Calcined Basis)

| | |
|---|-------|
| Silica - SiO ₂ | 1.0% |
| Alumina - Al ₂ O ₃ | 91.9% |
| Titania - TiO ₂ | Trace |
| Iron Oxide - Fe ₂ O ₃ | 0.1% |
| Lime - CaO | 0.1% |
| Magnesia - MgO | 0.1% |
| Alkalies - Na ₂ O + K ₂ O | 0.3% |
| Phosphorous Pentoxide - P ₂ O ₅ | 6.5% |

Physical Properties

| | |
|--|-------------------------|
| Maximum Recommended Temperature | 1870°C |
| Refractoriness Test - ASTM C199 | |
| 1815°C Test Temperature | No Softening or Flowing |
| Weight required to lay 1000 9 x 4 ¹ / ₂ x 2 ¹ / ₂ (229x114x63mm) Brick | |
| Dipping consistency | 375 Kg |
| Modulus Of Rupture - ASTM C198 | |
| On brick with ends bonded together using mortar in trowelling consistency | MPa |
| After Heating at 105 °C | 6.9 |
| After Heating at 815 °C | 3.1 |
| Particle Size - ASTM C92 | |
| Maximum retained on 20 Mesh (0.83mm) | Less than 1.0% |
| Shelf Life (Under Proper Storage Conditions) | 180 days |

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS and Installation Guidelines are also available.