



NO. 36 REFRACTORY CEMENT

Product Data

Ref:109/31/10/12

Description: Wet, High-Strength, High-Alumina Mortar.

Features: ● Wet, air setting high temperature mortar of high bond strength and refractoriness.

Uses: ● Can be used for jointing all types of brick where extra bond strength is needed in joints for structural stability.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	22.3%
Alumina - Al ₂ O ₃	71.5%
Titania - TiO ₂	2.5%
Iron Oxide - Fe ₂ O ₃	1.0%
Lime - CaO	0.1%
Magnesia - MgO	0.1%
Alkalies - Na ₂ O + K ₂ O	2.7%

Physical Properties

Maximum Recommended Temperature	1750°C
Refractoriness Test - ASTM C199 1704°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	350Kg
Modulus of Rupture - ASTM C198 On brick with ends bonded together using mortar in trowelling consistency Dried at 105°C	Mpa 4.83 - 6.89
Particle Size - ASTM C92 Maximum Retained on 20 Mesh (0.83mm) Maximum Retained on 35 Mesh (0.42mm)	Less than 1.0% Less than 5.0%
Shelf Life (Under Proper Storage Conditions)	365 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.