

## Product Data

Ref:111/19/01/17

Description: Wet, High-Strength, Air-Setting, High-Temperature Mortar.

- Features:
- High strength, air setting high temperature mortar of high bond strength and refractoriness with ideal trowelling characteristics.
  - Its good moisture retention properties mean that it is easy to apply.

- Uses:
- Can be used for jointing all types of brickwork.

## Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO <sub>2</sub>	49.0%
Alumina - Al <sub>2</sub> O <sub>3</sub>	45.9%
Titania - TiO <sub>2</sub>	1.7%
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub>	0.7%
Lime - CaO	0.1%
Magnesia - MgO	0.1%
Alkalies - Na <sub>2</sub> O + K <sub>2</sub> O	2.6%

## Physical Properties

Maximum Recommended Temperature	1700°C
Refractoriness Test - ASTM C199	
1700°C Test Temperature	No Softening or Flowing
Weight required to lay 1000 9 x 4 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>2</sub> (229x114x63mm) Brick	
Dipping Consistency	350Kg
Modulus of Rupture - ASTM C198	
On brick with ends bonded together using mortar in trowelling consistency	Mpa
Dried at 105°C	4.48 - 5.86
Particle Size - ASTM C92	
Maximum Retained on 20 Mesh (0.83mm)	Less than 1.0%
Maximum Retained on 35 Mesh (0.42mm)	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.