

KD-2

Product Data

Ref:110/31/10/12

Description: Dry Air Setting High Temperature Mortar.

- Features:**
- Specially formulated not to deteriorate, or lose its working characteristics in storage.
 - Develops excellent working properties without prolonged soaking.

- Uses:**
- Ideal for laying and facing firebrick and high alumina brick.
 - This material contains a small percentage of combined sulphur and should not be used where sulphurous gases may affect kiln ware or electric elements.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	40.1%
Alumina - Al ₂ O ₃	55.3%
Titania - TiO ₂	1.9%
Iron Oxide - Fe ₂ O ₃	1.1%
Lime - CaO	1.0%
Magnesia - MgO	0.1%
Alkalies - Na ₂ O + K ₂ O	0.5%

Physical Properties

Maximum Recommended Temperature	1650°C
Refractoriness Test - ASTM C199 1600°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	275Kg
Modulus of Rupture - ASTM C198 On brick with ends bonded together using mortar in trowelling consistency Dried at 105°C	Mpa 1.55 - 3.10
Particle Size - ASTM C92 Maximum Retained on 20 Mesh (0.83mm)	Less than 1.0%
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.