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Technical Data Sheet

High Alumina Refractory Mortar

Al_2O_3 65% min, air-setting, for brick jointing

Description

High alumina refractory mortar is a fine, ready-to-use jointing mix of calcined bauxite and fireclay with an air-setting chemical bond. It is used in thin joints (1–3 mm) to lay and bond fireclay and high alumina bricks, giving a tight, gas-resistant joint with good strength at both low and high temperature and a service limit of 1,600°C. It sets without heat, so it is easy to use on site, and it matches the thermal expansion of the brickwork. Ochnology Solution Pvt. Ltd. is a manufacturer and supplier of refractory mortar and ready-to-use mixes (fireclay, high alumina and insulating mortars) in India and worldwide, as a companion to its refractory bricks.

Typical Applications

- Laying and jointing fireclay and high alumina bricks
- Furnaces, kilns, boilers, stoves and chimneys
- Patching and sealing cracks in refractory brickwork

Specification

S. No.	Parameter	Specification	Test Method
1	**Alumina (Al_2O_3), %**	≥ 65	XRF / chemical analysis
2	**Iron Oxide (Fe_2O_3), %**	≤ 2.5	XRF / chemical analysis
3	**Grain Size, mm**	0 – 0.5	Sieve analysis
4	**Bond Type**	Air-setting	Manufacturer's specification
5	**Joint Thickness, mm**	1 – 3	Recommended practice
6	**Maximum Service Temperature, °C**	1,600	Manufacturer's rating

General Properties

Product	High alumina refractory mortar, air-setting
Form	Fine dry powder, mixed with water to a trowelling consistency
Packing	25 kg bags

Handling and Storage

- Store in a dry, covered place and keep bags sealed to prevent hardening
- Wet the brick surface lightly and keep joints thin and full
- For safety information, refer to the accompanying Safety Data Sheet (SDS)

Disclaimer: The information in this document is typical and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own evaluation under end-use conditions before use.