



Refractory Materials

kilns, furnaces and high-temperature plant
 nature industrial applications, including
 and unshaped refractories — magnesia
 brick, castables, mortars and insulation —
 re, atmosphere and chemical attack in
 your kiln, furnace or boiler.

Standard shapes 3 - 5 weeks; specials and castables quoted on enquiry: مدة التوريد: • Project supply: حالة المخزون:

المزايا الرئيسية

- Product class selected against service temperature, atmosphere and chemical attack
- Chrome-free magnesia spinel for cement kiln burning zones
- Shaped brick to ISO kiln shapes plus specials cut to drawing
- Installation data sheets, heat-up curves and quantity take-off support

الأنواع والتكوينات

النوع	الموصفة
Magnesia spinel bricks	Cement rotary kiln burning and transition zones, chrome-free, high thermal shock resistance
High-alumina bricks	60% / 70% / 80% AlO, kiln inlet, preheater and furnace linings
Fireclay & insulating bricks	Back-up linings and insulating courses, low thermal conductivity grades
Dense & low-cement castables	Burner pipes, kiln hoods, cooler roofs, ladle and launder linings, pumpable and gunning mixes
Mortars, ramming & gunning mixes	Jointing mortars, plastic ramming masses and gunning mixes for repair work
Ceramic fibre & insulation	Blanket, board and module for hot-face insulation and expansion joints

المواصفات

الخاصية	القيمة
Service temperature	Up to 1700 °C depending on the product class
Magnesia spinel	MgO 90 - 95%, AlO 5 - 10%, chrome-free, cold crushing strength 45 - 70 N/mm ²
High alumina	AlO 60 - 80%, apparent porosity 16 - 20%, refractoriness under load > 1450 °C
Castables	Dense, low-cement and ultra-low-cement grades, max grain 3 - 6 mm, installation by casting, pumping or gunning
Shapes	Standard ISO kiln shapes, arch and wedge brick, and special shapes cut to drawing

المواصفات القياسية

ISO 5417 shapes, ASTM C133 cold crushing strength, ASTM C20 porosity and density, ISO 1893 refractoriness under load, EN 993 series test methods

القطاعات التي نخدمها

Cement, Steel & Foundry, Glass & Lime, Power, Petrochemical, Waste to Energy

التطبيقات النموذجية

- Cement rotary kiln burning, transition and inlet zones
- Preheater towers, kiln hoods and clinker coolers
- Steel ladles, tundishes and reheating furnaces
- Lime and glass kilns
- Boiler and incinerator linings
- Petrochemical heaters and flare stacks