

MULTILAYER MULLITE BRICK (MM-65)

Multilayer Mullite Brick MM-65 is a high-performance refractory material composed of carefully layered mullite phases engineered for superior structural integrity, excellent thermal shock resistance, and high-temperature stability. This product is designed for use in demanding thermal processes where consistent performance across thermal cycles is critical.

TECHNICAL SPECIFICATIONS

PROPERTY	VALUE
Al ₂ O ₃ (%)	≥ 65
SiO ₂ (%)	≤ 30
Apparent Porosity (%)	≤ 18
Bulk Density (g/cm ³)	≥ 2.50
Cold Crushing Strength (MPa)	≥ 70
Refractoriness Under Load (0.2 MPa, °C)	≥ 1600
Thermal Shock Resistance (cycles at 950°C water quench)	≥ 25

KEY FEATURES

- Multilayer design enhances crack resistance and longevity
- High thermal stability under fluctuating temperatures
- Excellent thermal insulation performance
- Engineered for energy-efficient and durable lining solutions

APPLICATION AREAS

- Transition zones in rotary kilns
- Burner hoods and tertiary ducts
- Regenerators and recuperators in glass furnaces
- Zones with frequent temperature cycling

INSTALLATION NOTES

- Install with compatible high-alumina or mullite mortar
- Gradual preheating recommended to stabilise layered structure
- Ensure uniform brickwork alignment for layered thermal gradient



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contactus@dgc-africa.com