



CHAMOTTE BRICK M1

Classification:	Super duty Chamotte brick
Main raw materials:	High quality Chamotte
Refractoriness:	>1710 °C
Type of bond:	Ceramic
Features and main applications:	Various purposes; Safety layer in steel melting vessels & Cement Industries (particularly Safety zone of rotary kiln and high temp. zones of preheater) as well as Chemical & Nonferrous Industries, Lime kilns.

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	Alkalies
40-44	50-54	< 2.2	< 2.2	< 0.8

Properties

Bulk density (g/cm³)	2.20-2.35
Cold crushing strength (kg/cm²)	400-600
Apparent porosity (%)	10-15
R.U.L (T0.5)(°C)	≈ 1350
Thermal shock (Cycle in water)	15

ASTM Test Methods, where applicable, used for determination of data.

The above data are typical of the properties of commercial Standard brick.

These data represent average properties obtained from commercial products and should not be considered as guaranteed specifications.

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