



ALMA 50

Classification:	Medium Alumina brick
Main raw materials:	Fire Clay
Refractoriness:	>1743 °C
Type of bond:	Ceramic
Features and main applications:	General applications include: steel and cement industries as well as chemical and non-ferrous industries, side walls - rotary kilns and lime kilns.

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
47-51	42-44	< 2.8	3-5

Properties

Bulk density (g/cm³)	2.20-2.35
Cold crushing strength (kg/cm²)	400-600
Apparent porosity (%)	15-21
R.U.L (T0.5)(°C)	≈1350
Thermal shock (Cycle in water)	10-15

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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