

DENSE REFRACTORY BRICK

AK 82 A

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Rev. Nr.: 2

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DESCRIPTION

Dense refractory brick **AK 82 A** is a bauxite based brick with a high abrasion resistance.
Applications: **AK 82 A** is very well suited for rotary cement kilns.

MATERIAL PROPERTIES

Maximum Service Temperature	1550 °C
Refractoriness Under Load (ISO 1893) T _{0.5}	1500 °C
Bulk Density (ISO 5017)	2700 kg/m ³
Apparent Porosity (ISO 5017)	19 %
Cold Crushing Strength (ISO 10059-2)	70 MPa

PHYSICAL PROPERTIES

Thermal Shock Resistance (PRE/R5.1) Number of cycles	30
Thermal Conductivity (EN 993-15) 100 °C	2,30 W/mK
650 °C	2,10 W/mK
1100 °C	2,10 W/mK

CHEMICAL ANALYSIS

Chemical Analysis (ISO 12677)	
Al ₂ O ₃	82 %
SiO ₂	11 %
Fe ₂ O ₃	< 1,5 %

The technical data represent average values, obtained from standard bricks.
Values are typical but not guaranteed, unless agreed otherwise.