

# Fireproof bricks

Technical data	AL 40/42	AL 60	AL 80	Other
Max working temperature, °C	1400	1550	1700	Bricks containing SiC, Cr2O3, ZrO2, MgO as per inquiry
Density, kg/m <sup>3</sup>	2150	2550	3400	
Raw material	Chamotte	Andalusite	Corundum / chromium	
<b>Chemical composition in %</b>				
Al <sub>2</sub> O <sub>3</sub>	40-42	58-62	82-86	
SiO <sub>2</sub>	52-54	33-36	2-3	
Cr <sub>2</sub> O <sub>3</sub>	-	-	9	
<b>Physics data</b>				
Compressive strength MPa	>40	>90	>150	
Open porosity %	18-20	15	16	
<b>Thermal conductivity W/m<sup>2</sup>K</b>				
400°C	1.30	1.45	3.00	
800°C	1.40	1.50	2.90	
1,000°C	1.45	1.60	2.80	
<p>AL40/42 is held in stock as standard brick, 114x230 mm, of thickness 25, 50, 64 or 76 mm Also, we frequently stock AL40/42 as arch brick AL60 is held in stock in the dimension: 76x114x230 mm Other qualities and dimensions are made to order</p>				
<p><i>The above values are theoretical values stated in the data sheets of the manufacturers and shall solely be considered as guidance values.</i> Rev. 12.2021</p>				