

ALTRA® 1500C

Poly-crystalline high-temperature insulation wool,
optimized for applications up to 1,500 °C (2,800 °F)

The ALTRA® 1500C is an evolution of the proven and reliable polycrystalline, non-classified high temperature Insulation wool of the ALTRA® brand. Optimized to be used in the steel industry, e.g. for forging furnaces, rotary hearth furnaces, rolling mill furnaces and other applications in metallurgy, as well as in the ceramics industry. The ALTRA® 1500C is available as a module and blanket.



Composition	Mullite (polycrystalline), amorphous silica	
Classification temperature	1500 °C	
Continuous application	1400 °C	
Average fiber diameter	3 - 5 µm	
Fiber density	3.3 g/cm ³	
Chemical analysis fired (DIN 51001:2003-08)	Al ₂ O ₃	50 %
	SiO ₂	50 %
Linear change (EN 1094)	1400 °C / 24 h	-1.00 %
	1500 °C / 24 h	-4.00 %
Densities (EN 1094)	60 - 120 kg/m ³	
Thickness (EN 1094)	13.25 mm	
Standard dimensions	7200 x 620 x 13 (25) mm	

Thermal conductivity according to guarded hot plate method (density 100 kg/m³) [ISO 10635]	400 °C	0.09 W/mK
	600 °C	0.13 W/mK
	800 °C	0.19 W/mK
	1000 °C	0.28 W/mK
	1200 °C	0.41 W/mK
	1400 °C	0.61 W/mK
Color	white	