

TECHNICAL DATA SHEET

REMBOARD 1600 (400)

CHARACTERISTICS

- Insulating board made from rigid high-temperature polycrystalline mullite/alumina wool (PCW) and special inorganic fibers and binders.
- Low thermal conductivity and very high temperature resistance (up to 1600°C perm.)
- Good machinability (homogeneous structure)
- Resistance to rapid heating and low heat storage
- Excellent thermal shock resistance
- Boards available in prefired version (reduced loss on ignition)
- Suitable for laboratory ovens and special applications.

TECHNICAL PARAMETERS

	Unit	Value
Classification temperature	[°C]	1600
Maximum permanent service temperature	[°C]	1580
Bulk density	[kg/m ³]	400
Colour	[-]	white
Loss on ignition	[%]	0,12
Linear change @ 1600 °C	[%]	+0,14
Cold crushing strength	[MPa]	0,36
Cold bending strength	[MPa]	0,87
Standard thicknesses	[mm]	10-70
Coefficient of thermal conductivity λ at		
400 °C	[W/m.K]	0,19
600 °C	[W/m.K]	0,21
800 °C	[W/m.K]	0,24
1000 °C	[W/m.K]	0,27
1200 °C	[W/m.K]	0,32
1400 °C	[W/m.K]	0,35
Chemical composition		
SiO ₂	[%]	22
Al ₂ O ₃	[%]	78

Information on technical parameters and chemical composition provided in this TDS are considered comprehensive and do not constitute any form of liability!