

TECHNICAL DATA SHEET – REMGUARD 1100 AL

Product description

REMGUARD 1100 AL – microporous thermal insulation board with very good thermal and mechanical properties. By using a unique technology, a material with a structure in which the pore size is smaller than the average free path length of the air molecule was obtained, which allowed to obtain a very low thermal conductivity coefficient. This material consists exclusively of inorganic oxide compounds.

REMGUARD 1100 AL it can be stored without limitation of shelf life, the condition is to store in dry environment.

Finishes: AL foil

PARAMETERS	IU	REMGUARD 1100 AL
Type	-	1100 AL
Colour	-	grey / beige
Type of finishes	-	Aluminium foil
Classification temperature	°C	1100
Bulk density (+/- 10%)	kg/m ³	270
Cold crushing strength (DIN 53421)	MPa	1,1
Flexural strength	MPa	0,16
Shrinkage after 12 hours at temperature 1000°C	%	0,5
Fire classification	-	A1
Coefficient of thermal conductivity λ at 200 °C 400 °C 600 °C 800 °C	W/mK	0,020 0,023 0,031 0,039
Chemical composition SiO ₂ SiC	%	~80 ~15
Standard thicknesses	mm	5; 10; 15; 20; 25; 30; 40; 50
Available formats	mm	1000 x 500; 1000 x 600; 1100 x 700*

* other formats on request

All data are average production values that are subject to normal variability. They do not constitute grounds for warranty claims.