



Stonewool Slab

Stonewool for high temperature applications





Stonewool Slab

high performance
insulation for technical
and industrial
applications.

TECHNICAL DATA SHEET



ENERGY SAVING

DESCRIPTION

Strong and rigid high temperature resistant stonewool slabs. With Maximum Service Temperatures of 660 °C according to EN 14 706 and 750 °C 6 according to ASTM C411/ASTM C447, Stonewool Slab is designed for high temperature industrial and technical applications.



NON-COMBUSTIBLE

APPLICATIONS

Thermal insulation for plants and equipment. Suitable for application on flat or large curved surfaces.



EASY TO INSTALL

FEATURES & BENEFITS

- Developed for high temperature applications
- Excellent lambda values (thermal conductivity) which reduces heat loss
- Efficient installation
- Chemically inert and when applied under controlled conditions will not promote or cause corrosion
- Low shot content.



SOUND INSULATION & ABSORPTION

FIRE PROPERTIES

- Non-combustible - tested to EN 13 501-1 and ASTM E136.

ACOUSTIC PERFORMANCE

Stonewool Slab has effective acoustic performance.

CORROSIVITY

Does not contribute to corrosion of stainless steel according to EN 13 468 and ASTM C795.

DURABILITY

- Dimensionally stable but care must be exercised to limit moisture ingress as this not only compromises the structural integrity but interferes with the thermal resistance properties of the products as well.

HANDLING & STORAGE

All Stonewool Slab products should be stored and handled with care to maintain ex-works quality. The packaging will provide some protection but care should be taken to keep the material dry at all times. Extra protection should always be provided when storing the product outdoors.

DIMENSIONS

Type	Product name	Surface weight (kg/m ²)
Slab	Slab (60 density)	3.0
	Slab (80 density)	4.0
Dimensions	Length (mm)	1 200
	Width (mm)	600
	Thickness (mm)	50

THERMAL CONDUCTIVITY (according to EN 12 667)

	T[°C]	50	100	200	300	400	500	600
Slab 60	[W/(m.K)]	0.039	0.045	0.062	0.080	0.105	0.134	0.169
Slab 80	[W/(m.K)]	0.037	0.043	0.059	0.077	0.101	0.130	0.165

	MST		Load applied during test
	EN	ASTM	
Slab 60	660 °C	750 °C	500 pa
Slab 80	660 °C	750 °C	500 Pa

MAXIMUM SERVICE TEMPERATURE (MST) under 500 Pa (according to EN 14 706)

The Maximum Service Temperature according to EN 14 706 is the temperature for which the deformation of the insulation material is less than 5% under a load of 500 Pa and when exposed to such temperature for a continuous period of 72 hours. This test method is a more stringent evaluation of the highest permanent, operating temperature the product can sustain.



