



TECH Slab MT 3.1

Thermal and Acoustic Insulation for Industrial Equipment

Semi-rigid stonewool panel. Thermal insulation and acoustic absorption for industrial equipment such as:

- Boilers. • Furnaces. • Transportation and storage of fluids.

Technical properties

Symbol	Parameter	Icon	Units	Value	Standard			
WS	Short-term water absorption		kg/m ²	< 1	EN 1609			
MU	Water vapour diffusion, μ		—	1	EN 14303			
—	Reaction to fire		Euroclasses	A1	EN 13501-1			
DS	Dimensional stability		%	< 1	EN 1604			
ST(+)	Usage temperature limit	—	°C	600	EN 14706			
Thermal conductivity								
λ	Temp.* (°C)	50	100	200	300	400	500	600
	λ (W/m·K)	0,041	0,048	0,068	0,097	0,134	0,183	0,248
—	Durability characteristics							
The reaction to fire behaviour and thermal resistance of this product will not vary with time nor if subjected to the maximum specified temperature.								

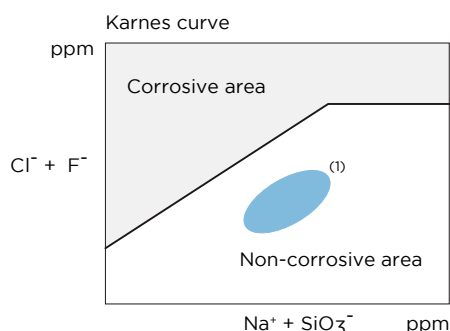
*Average insulation temperature. According to the EN 12667 Standard.

Presentation

Thickness d (mm)	Length l (m)	Width b (m)	m ² /pack	m ² /pallet	m ² /truck
40	1,00	0,60	9,00	72,00	1.872
50			7,20	57,60	1.498
60			6,00	48,00	1.248
100			3,60	28,80	749

Corrosiveness of steel

Non-corrosive Based on ASTM C-795 and C-871.



Chemical analysis of the ions based on ASTM C-795 and C-871 standards show that ISOVER stonewool products do not cause corrosion to the steel as the relationship between FI + Cl ions with respect to the Na⁺ + SiO₃⁻ at the lower part of the Karnes Curve.

(1) Position of the ISOVER mineral wools

Designation code

MW-EN- 14303-T4-ST(+)-600-WS1.

Certificates



Installation guide

Further information available at: www.isover.es