



TECH Slab 2.1

Thermal and Acoustic Insulation for Industrial Equipment

Panel semirrígido de Lana de Roca Aislamiento térmico y Acústico para: • Tanques y Depósitos • Cisternas • Hornos • Salas de Máquinas.

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		Euroclass	A1	EN 13501-1
DS	Dimensional stability		%	< 1	EN 1604
ST(+)	Usage temperature limit	—	°C	300	EN 14706
Thermal conductivity					
λ	Temp.* (°C)	50	100	200	300
	λ (W/m·K)	0,043	0,053	0,082	0,124
—	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.					

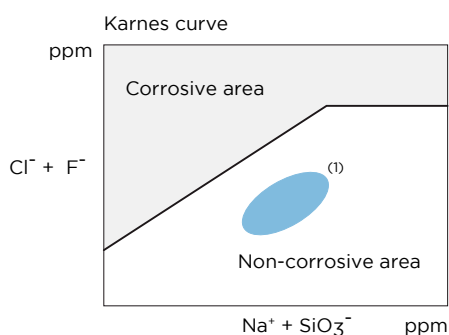
*Average insulation temperature. According to the EN 12667 Standard.

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
80			4,80	38,40	998
100			3,60	28,80	749

Steel corrosion

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 $Cl^- + F^-$ ions with respect to the $Na^+ + SiO_3^-$ at the lower part of the Karnes Curve.

Designation code

MW-EN 14303-T4-ST(+)-300WS1

Certificates



Installation guide

Further information available at: www.isover.es