



TECH Slab HT 6.1

Thermal and Acoustic Insulation and Lagging for High temperatures

Rigid stonewool panel. Thermal and acoustic insulation and lagging for high-temperature applications:

- Large tanks. • Central heating and industrial boilers. • Industrial furnaces. • Dividing walls.

Technical properties

Symbol	Parameter	Units	Unidades	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	700	EN 14706				
Thermal conductivity									
λ	Temp.* (°C)	50	100	200	300	400	500	600	650
	λ (W/m·K)	0,039	0,044	0,058	0,076	0,098	0,123	0,154	0,172
—	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
30	1,00	0,60	8,40	92,40	2.402
40			4,80	67,20	1.747
50			4,80	57,60	1.497

Complementary information

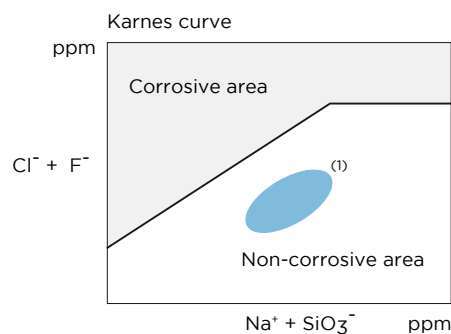
- Certificación ASTM

Certification confirming compliance with ASTM standards as issued by BUREAU VERITAS. For further information:



Steel corrosion

Non-corrosive. Based on ASTM C-795 & 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(+)-700-WS1-cs(10)20.

Certificates



Installation guide

Further information available at: www.isover.es