TECH Slab 3.0

Thermal and Acoustic Insulation for Industrial Equipment

Compact semi-rigid glass wool panel. Light and highly flexible insulation. • Thermal insulation and acoustic absorption in: industrial insulation, refrigeration chambers, cisterns, engine rooms and the transportation of fluids. • Vibration-resistant insulation*.

*** Vibration resistance. The product was subjected to 900 cycles/minute vertical vibration with an amplitude of 6.3 mm. After two hours the following results were recorded: · Spalling: Zero. Yield: 0 mm**

Technical properties CE

Symbol	Parameter	Icon	Units	Value	Standard
WS	Short-term water absorption		kg/m²	< 1	EN 1609
MU	Water vapour diffusion, μ		–	1	EN 14303
—	Reaction to fire		Euroclases	A1	EN 13501-1
DS	Dimensional stability		%	< 1	EN 1604
ST(+)	Usage temperature limit		°C	-30 a 300	EN 14706
λ	Thermal conductivity				
	Temp.* (°C)	-20	10	50	100	150	200	250
	λ (W/m·K)	0,030	0,034	0,038	0,047	0,058	0,070	0,085
—	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.							

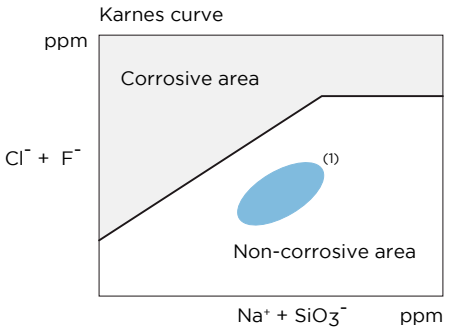
***Average insulation temperature. According to the EN 12667 Standard.**

Presentation

Thickness d (mm)	Length l (m)	Width b (m)	m²/pack	m²/pallet	m²/truck
40	1,35	0,60	9,72	155,32	2.799
50			8,10	129,60	2.333

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

(1) Position of the ISOVER mineral wools

Acoustic Absorption

α abine absorption coefficient							
Frequency		125	250	500	1000	2000	4000
Frequency (mm)	40	0,15	0,50	0,75	0,85	0,85	0,90
	50	0,20	0,55	0,80	0,85	0,85	0,90

Código de designación CE

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

Certificates

Installation guide

Further information available at: www.isover.es