



TECH Wired Mat MT 4.2

Reinforced stonewool blanket

Reinforced stonewool blanket with a galvanised steel mesh sewn with galvanised steel thread on one side. Stainless steel mesh and thread available upon request. Thermal and acoustic insulation for industry. Lagging of large-diameter pipes, tanks, furnaces, chimneys, boilers and other industrial equipment.

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			
λ	Thermal conductivity							
	Temp.* (°C)	50	100	200	300	400	500	600
—	λ (W/m·K)	0,041	0,047	0,065	0,090	0,124	0,167	0,217
—	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	6,00	1,00	6,00	90,00	2.340
50	5,00	1,00	5,00	75,00	1.950
60	5,00	1,00	5,00	75,00	1.950
70	4,50	1,00	4,50	67,50	1.755
80	3,00	1,00	3,00	45,00	1.170
100	3,00	1,00	3,00	45,00	1.170
120	2,50	1,00	2,50	37,50	975

Complementary information

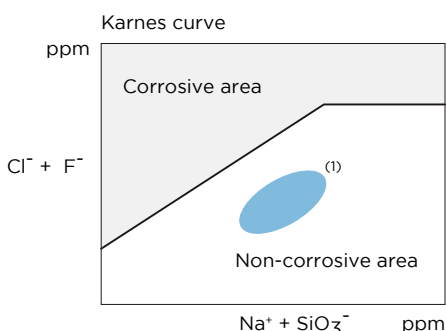
• Certificación ASTM
Certification confirming compliance with ASTM standards as issued by BUREAU VERITAS. For further information:



TYPE II
ASTM C592

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

Designation code

MW-EN 14303-T2-ST(+)-600-WS1. In accordance with standard EN 14303

Certificates



Installation guide

Further information available at: www.isover.es