



# U TECH Wired Mat MT 4.0

## ULTIMATE Mineral wood wired mat

ULTIMATE Mineral wool wired mat which on one side features a galvanised steel woven mesh and thread. Stainless steel woven mesh and thread available on request. Thermal and acoustic insulation for the industry. Heat insulation for large diameter pipes, tanks, furnaces, chimneys, boilers and other industrial equipment. Especially suitable for hard access installation areas, work at height and/or lightweight structures.

### Technical properties

Symbol	Parameter	Icon	Units	Value	Standard		
WS	Short-term water absorption		kg/m <sup>2</sup>	< 1	EN 1609		
MU	Steam diffusion resistance, μ		—	1	EN 14303		
—	Reaction to fire		Euroclass	A1	EN 13501-1		
DS	Dimensional stability		%	< 1	EN 1604		
ST(+)	Usage temperature limit	—	°C	560	EN 14706		
λ	Thermal conductivity						
	Temp.* (°C)	50	100	200	300	400	500
	λ (W/m.K)	0,035	0,042	0,063	0,087	0,122	0,163
—	Durability						
This product's reaction to fire and its thermal resistance does not vary over time nor when it is subjected to the stated maximum temperature.							

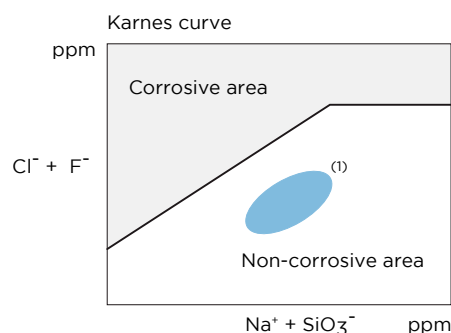
\*Average insulation temperature. Based on EN 12667 Standard.

### Presentation

Thickness d (mm)	Length l (m)	Width b (m)	m <sup>2</sup> /pack	m <sup>2</sup> /pallet	m <sup>2</sup> /truck
40	9,50	0,60	11,40	205,20	4.514
50	7,50		9,00	162,00	3.564
60	6,30		7,56	136,08	2.994
80	4,70		5,64	101,52	2.233
100	4,00		4,80	86,40	1.901
120	3,30		3,96	71,28	1.568

### 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  $Cl^- + F^-$  ions with respect to the  $Na^+ + SiO_3^-$  at the lower part of the Karnes Curve. <sup>(1)</sup> Position of the ISOVER mineral wools

### Código de designación

MW EN 14303-T2-ST(+250)560-WS1-CL10. Según Norma EN 14303.

### Certificates



### Installation guide

For further information: [www.isover.es](http://www.isover.es)

- [www.isover.es](http://www.isover.es)
- [ISOVERblog.es](http://ISOVERblog.es)
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