



# TECH Wired Mat MT 6.1 X/X-X

## Premium-Plus performance heavy-duty industry stone mineral wool wired mats for medium-high temperatures

TECH Wired Mat MT 6.1 is the premium-plus thermal performance stone mineral wool mat stitched with galvanized wire on hexagonal galvanized wire mesh for flexible installation on uneven high-temperature structures such as big diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks with a maximum service temperature of up to 680 °C.



### ENERGY EFFICIENCY

Premium-Plus thermal insulation performance at medium to higher service temperatures up to 680 °C



### HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 680 °C



### THIN SOLUTION

Personal protection and heat loss requirements achieved with up to 35 % less insulation thickness than standard solutions



### FIRE REACTION

Non-combustible, Euroclass A1 for effective fire protection on industry sites



### ENVIRONMENTAL PROTECTION

Its Premium-Plus thermal performance allows to reduce significantly energy losses, the use of natural resources and CO<sub>2</sub> emissions

### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

5.

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	650	EN 12667 EN ISO 13787 ASTM C177
	λ	[W/(m•K)]	0.040	0.045	0.051	0.058	0.076	0.098	0.124	0.156	0.174	
Thermal behaviour	T	[°C]	Maximum service temperature 680 (under 500 Pa) Maximum service temperature 700									EN 14706 C447/C411

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Specific thermal capacity	c	kJ/(kg•K)	1.03									ISO 10456
Reaction to fire	-	-	Non combustible; Euroclass A1 Fire Spread Index = 0; Smoke Development Index < 20									EN 13501-1 ASTM E84
Water behaviour	WS	kg/m²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m²)									EN ISO 29767
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel									ASTM C795/871
Application field	-	-	Product for use in technical applications, such as big diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks									EN 14303
Material	-	-	Stone mineral wool, stitched on metallic mesh with either galvanized or austenitic stainless steel wire With quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q									CINI 2.2.02
Miscellaneous	-	-	Designation code : MW-EN 14303-T2-ST(+)680-WS1									EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001									EN 14303 EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*					
THICKNESS** D [MM]	LENGTH [MM]	WIDTH B [MM]	M²/PACK	M²/PALLET	M²/TRUCK
40	5,000	1,000	5.00	75.00	1950.00
50	4,000	1,000	4.00	60.00	1560.00
60	3,500	1,000	3.50	52.50	1365.00
70	3,000	1,000	3.00	45.00	1170.00

\* All dimensions require minimum order quantities / other dimensions on request.

\*\* Under a load of 1,000 Pa.



[www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

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