



TECH Wired Mat MT 6.1

Stone mineral wool wired mats for medium-high temperatures

TECH Wired Mat MT 6.1 is 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

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 thermal performance allows to reduce significantly energy losses, the use of natural resources and CO₂ emissions

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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
	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)									EN 14706

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				EN 13501-1
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)				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]	M ² /PACK	M ² /PALLET	M ² /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.



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