



TECH Wired Mat MT 4.2

Flexible stone mineral wool wired mats

TECH Wired Mat MT 4.2 is a stone wool mat stitched with galvanized wire on hexagonal galvanized wire mesh for flexible installation on uneven structures such as big diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks with a maximum service temperature of up to 600 °C.



THERMAL INSULATION

Thermal insulation performance for service temperatures up to 600 °C



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 600 °C



SOUND INSULATION

The ability of mineral wool to act as a spring results in reducing vibration and noise emissions in industrial processes



FIRE REACTION

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

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	50	100	200	300	400	500	600	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.041	0.047	0.065	0.090	0.124	0.167	0.217	
Thermal behaviour	T	[°C]	Maximum service temperature 600 (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 vapour resistance	-	-	No short term water absorption by partial immersion ($WS1 \leq 1 \text{ kg/m}^2$)							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(+)-600-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	6,000	1,000	6.00	90.00	2340.00
50	5,000	1,000	5.00	75.00	1950.00
70	4,500	1,000	4.50	67.50	1755.00
80	3,000	1,000	3.00	45.00	1170.00
100	3,000	1,000	3.00	45.00	1170.00
120	2,500	1,000	2.50	37.50	975.00

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

** Under load of 1000Pa



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