



TECH Wired Mat MT 3.0 Alu1/X/X-X

Standard performance cost effective stone mineral wool mats

TECH Wired Mat MT 3.0 is the medium-weight stone mineral 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, exhaust ducts and stacks with a maximum service temperature of up to 550 °C.

TECH Wired Mat MT 3.0 is available in AS Quality (CL- ≤ 10 ppm) when in contact with austenitic steel structures. On request with stainless steel wire (X) or stainless steel wire and wire mesh (X-X) and reinforced aluminium facing (Alu1).

THERMAL INSULATION



Standard thermal insulation performance for service temperatures up to 550 °C

FAST INSTALLATION



Flexibility, lightweight and compressibility helps to handle and install the product easier and faster

FIRE REACTION



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

NUCLEAR PLANT QUALITY



Certified for use in nuclear applications

HIGH SERVICE TEMPERATURES



Especially designed for high service temperatures up to 550 °C

SOUND ABSORPTION



Up to 95 % of sound energy absorbed due to optimal longitudinal air flow resistance and uniform porosity values

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

3.

TECH Wired Mat MT 3.0 Alu1/X/X-X



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	EN 12667 EN ISO 13787
	λ_{NP}	[W/(m•K)]	0.039	0.045	0.052	0.063	0.088	0.121	0.162	
Thermal behaviour	T	[°C]	Maximum service temperature 550 (under 500 Pa) Maximum service temperature 650							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	-	-	AS-quality (Leachable Chloride ≤10ppm) Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel Especially designed and certified for use in nuclear applications							AGI Q 132 EN 13468 ASTM C795/871
Application field	-	-	Product for use in technical applications, such as big diameter pipes, tanks and vessels, exhaust ducts and stacks, and process equipment Especially designed and certified for use in nuclear applications							EN 14303
Material	-	-	Stone mineral wool, stitched on metallic mesh with either galvanized or austenitic stainless steel wire With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC No 1272/2008 Note Q							CINI 2.2.02
Facing	-	-	On request: Reinforced aluminium facing (Alu1)							-
Miscellaneous	-	-	Insulating material identification number: 10.01.01.99.07 MW-EN 14303-T2-ST(+)550-WS1-CL10							AGI Q 132 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]	WIDTH B [MM]	LENGTH [MM]	M²/ROLL	M²/PALLET	ROLLS/PALLET
100	600	3,000	1.8	57.60	32
120	600	2,500	1.5	48.00	32
30	600	8,000	4.8	172.80	36
40	600	6,000	3.6	129.60	36
50	600	5,000	3.0	108.00	36
60	600	5,000	3.0	96.00	32
70	600	4,000	2.4	86.40	36
80	600	3,500	2.1	75.60	36
90	600	3,000	1.8	64.80	36

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

** Under a load of 1,000 Pa.



www.isover-technical-insulation.com

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

SAINT-GOBAIN ISOVER · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France



MAR-2023