



# TECH Wired Mat MT 3.1 Alu1/X/X-X

## Standard performance cost-effective stone mineral wool mats

TECH Wired Mat MT 3.1 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 560 °C.

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 560 °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

### SOUND ABSORPTION



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

### HIGH SERVICE TEMPERATURES



Especially designed for high service temperatures up to 560 °C

### HIGH FLEXIBILITY



Highly-flexible wired mats, keeping elasticity over full operational life-time

### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

3.

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	550	EN 12667 EN ISO 13787
	λ	[W/(m•K)]	0.040	0.047	0.057	0.067	0.094	0.130	0.173	0.185	
Thermal behaviour	T	[°C]	Maximum service temperature 560 (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, exhaust ducts and stacks, and process equipment								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	-	-	Designation code : MW-EN 14303-T2-ST(+)560-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	-	-	Please contact your local ISOVER dealer All dimensions require minimum order quantities Standard width: 500 mm 600 mm 1,000 mm Standard thickness range: 30 mm until 120 mm Other dimensions on request								-



## 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

JAN-2024

