



# U TECH Wi- red Mat MT 4.0 Alu1/V1/X



## The ULTIMATE solution for light and flexible wired mats in industry applications

U TECH Wired Mat MT 4.0 is a light and flexible alternative to standard industry wired mats. With optimised product weight and high compression ratio at the same time, U TECH Wired Mat MT 4.0 makes transport, site logistics but also mounting and fixing easier and faster. When installed the product provides permanent standard-plus thermal performance even in tough environments at maximum service temperatures up to 560°C.

U TECH Wired Mat MT 4.0 incorporates innovative water-repellent technology to mitigate the risk of corrosion under insulation. It shows very low water absorption values, throughout the entire lifetime of the product.

In addition, the product has a very low chloride content, which also helps prevent corrosion under insulation: it has AS quality (CL- ≤ 10 ppm) for use in contact with austenitic steel structures. On request with stainless steel wire (X) or yellow glass veil facing (V1) and reinforced aluminium facing (Alu1).

### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

4.

### THERMAL INSULATION



Standard-Plus thermal performance for service temperatures up to 560 °C with up to 35 % better efficiency

### CORROSION PREVENTION



Advanced water repellent technology, significantly reducing water absorption and preventing CUI

### COST EFFECTIVE SOLUTION



Standard-Plus thermal performance combined with lightweight provides installation time saving and less heat loss costs

### FAST INSTALLATION



Flexibility, lightweight, compressibility and less cuttings for extended roll lengths helps to install the product easier and faster

### EASY HANDLING



Unique lightness and packaging of ULTIMATE ensures an easy handling

### IMPROVED LOGISTICS



Transport and storage savings with up to 80 % more material per pallet than standard solutions

# U TECH Wired Mat MT 4.0 Alu1/V1/X



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	200	300	400	500	EN 12667 EN ISO 13787
	λ	[W/(m•K)]	0,033	0,037	0,045	0,063	0,088	0,122	0,163	
Thermal behaviour	T	[°C]	Maximum service temperature 560 (under 250 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/m <sup>2</sup>	Short term water absorption by partial immersion: WS ≤ 1 kg/m <sup>2</sup> . Additional water absorption test after 24h pre-heating at 250°C: WS ≤ 0,2 kg/m <sup>2</sup> .							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							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 or other equipments, with need for: thermal and/or acoustic insulation with high performances especially for light weight constructions							EN 14303
Material	-	-	ULTIMATE mineral wool, faced with a metallic wire mesh 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 N°1272/2008 Note Q							CINI 2.2.02
Facing	-	-	On request: Reinforced aluminium facing (Alu1) Yellow glass veil facing (V1)							-
Miscellaneous	-	-	Insulating material identification number: 10.01.02.20.04 Designation code : MW-EN 14303-T2-ST(+/-250)560-WS1-CL10							AGI Q 132 EN 14303
Quality management	-	-	CE-marked according to EN 14303 Quality control according to VDI 2055 ISOVER is certified according to EN ISO 9001 and EN ISO 14001							EN 14303 VDI 2055 EN ISO 9001 EN ISO 14001

# U TECH Wired Mat MT 4.0 Alu1/V1/X



## DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

THICKNESS** D [MM]	WIDTH B [MM]	LENGTH [MM]	M <sup>2</sup> /PACK	SLABS/PACK	PACKS/PALLET
100	600	4,000	4.80	18	86
120	600	3,300	3.96	18	71
30	600	11,000	13.20	18	238
40	600	9,500	11.40	18	205
50	600	7,500	9.00	18	162
60	600	6,300	7.56	18	136
80	600	4,700	5.64	18	102

\* 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)

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-2024

