



U TECH Wi- red Mat MT 6.0 Alu1/V1/X

The ULTIMATE solution for premium-plus performance and efficient industry wired mats in medium-high temperatures

ULTIMATE U TECH Wired Mat MT 6.0 is the efficient and sustainable alternative to heavy-dense industry wired mats. Designed for premium-plus thermal insulation at temperatures of up to 620°C, continuously and even under tough conditions e.g. mechanical stress like vibrations, U Tech Wired Mat MT 6.0 provides the best combination between thermal efficiency, flexibility and light weight.

U TECH Wired Mat MT 6.0 is produced in AS Quality (CL- ≤10 ppm) for usage when 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

5.



ENERGY EFFICIENCY

Premium-Plus thermal performance for service temperatures up to 620 °C with up to 35 % better efficiency



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 620 °C



THIN SOLUTION

Personal protection and heat loss requirements achieved with up to 35 % less insulation thickness than standard solutions



FAST INSTALLATION

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



FIRE REACTION

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



EASY HANDLING

Unique lightness and packaging of ULTIMATE ensures an easy handling

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	500	600	EN 12667 EN ISO 13787
	λ	[W/(m•K)]	0.031	0.035	0.040	0.047	0.054	0.071	0.092	0.117	0.150	
Thermal behaviour	T	[°C]	Maximum service temperature 620 (under 500 Pa) Maximum service temperature 700									EN 14706 C447/C411

* These values proceed from tests conducted in laboratory under certain given conditions. Real life conditions may differ due to various ambient and operational factors. These values are therefore representative and should only be used as a guide for estimation purposes.
ISOVER takes no responsibility in the case of not achieving the required acoustical performance.

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									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 improved energy efficient constructions									EN 14303
Material	-	-	ULTIMATE mineral wool, faced with a metallic wire mesh and stainless steel steeling 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) Yellow glass veil facing (V1)									-
Miscellaneous	-	-	Insulating material identification number: 10.01.03.50.07 Designation code : MW-EN-14303-T2-ST(+)620-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

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DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M ² /PACK	M ² /PALLET	ROLLS/PACK	PACKS/PALLET
100	600	3,000	3.60	10.80	2	18
120	600	2,500	3.00	7.50	2	18
30	600	11,000	12.00	120.00	2	18
40	600	7,500	9.00	67.50	2	18
50	600	6,000	7.20	43.20	2	18
60	600	5,000	6.00	30.00	2	18
70	600	4,300	5.16	22.19	2	18
80	600	3,700	4.44	16.43	2	18
90	600	3,300	3.96	13.07	2	18

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

** Under a load of 1,000 Pa.



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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.

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