



U TECH Wired Mat MT 5.0

The **ULTIMATE** solution for light wired mats

ULTIMATE U TECH Wired Mat MT 5.0 is the efficient but still light alternative to higher-dense industry wired mats. With optimised product weight and high compression ratio at the same time U TECH Wired Mat MT 5.0 makes transport, site logistics but also mounting and fixing easier and faster. When installed the product provides permanent premium thermal performance even in tough environments at maximum service temperatures up to 540°C.

U TECH Wired Mat MT 5.0 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).

ENERGY EFFICIENCY



Thermal performance for service temperatures up to 540 °C with up to 35 % better efficiency

COST EFFECTIVE SOLUTION



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

FIRE REACTION



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

IMPROVED LOGISTICS



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

U TECH Wired Mat MT 5.0



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	500	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.031	0.036	0.041	0.049	0.057	0.078	0.104	0.138	
Thermal behaviour	T	[°C]	Maximum service temperature 540 (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 behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)								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 Q132 EN 13468 ASTM C795
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 Especially designed and certified for use in nuclear applications								EN 14303 PMUC
Material	-	-	ULTIMATE mineral wool, faced with a metallic wire mesh and stainless steel steeching wire With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unriskey 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: 10.01.02.40.05 Designation code : MW-EN-14303-T2-ST(+)-540-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 5.0



DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M ² /PACK	M ² /PALLET	ROLLS/PACK	PACKS/PALLET
30	600	10,500	12.60	226.80	2	18
40	600	7,900	9.48	170.64	2	18
50	600	6,300	7.56	136.08	2	18
60	600	5,200	6.24	112.32	2	18
70	600	4,500	5.40	97.20	2	18
80	600	3,900	4.68	84.24	2	18
100	600	3,100	3.72	66.96	2	18
120	600	2,600	3.12	56.16	2	18

* 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

OCT-2025

