



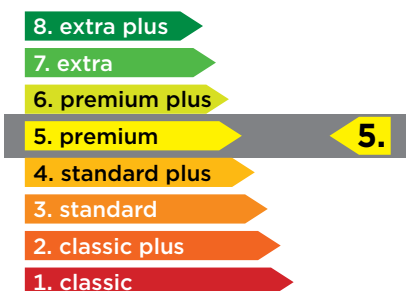
# U TECH Wi- red Mat MT 5.0 Alu1/V1/X

## The ULTIMATE solution for premium performance and 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- ≤10ppm) 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



#### ENERGY EFFICIENCY

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



#### COST EFFECTIVE SOLUTION

Premium 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

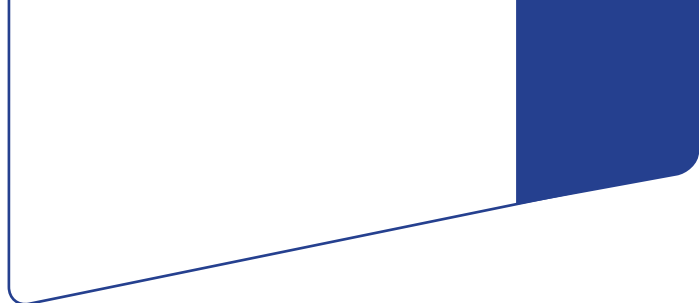


#### IMPROVED LOGISTICS

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

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) 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/m <sup>2</sup>	No short term water absorption by partial immersion (WS1 ≤ 1 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 Especially designed and certified for use in nuclear applications PMUC								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 PMUC								EN 14303
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., 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: 10.01.02.40.05 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



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

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M <sup>2</sup> /PACK	M <sup>2</sup> /PALLET	ROLLS/PACK	PACKS/PALLET
100	600	3,100	3.72	66.96	2	18
120	600	2,600	3.12	56.16	2	18
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

\* 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.*

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