



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

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

ULTIMATE U TECH Wired Mat MT 4.0 is the 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 is produced in AS Quality (CL- ≤ 10 ppm) for usage when in contact with austenitic steel structures. On request available with stainless steel wire (X) or stainless steel wire and wire mesh (X-X) and reinforced aluminium facing (Alu1).



Excellent thermal insulation

Standard-plus thermal insulation for service temperatures up to 560 °C



Easy and fast installation

Up to 20% installation time saving compared to standard stone wool wired mat solutions



Unique light weight

Light weight solution with up to 50 % weight savings compared to other standard performance industry wired mats

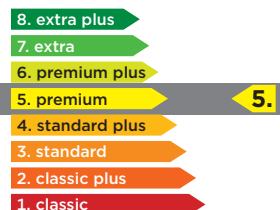


Transport and storage savings by high compression

Contains up to 80 % more material per pallet than standard stonewool wired mats, requiring less on-site storage space and reducing transport costs and related CO₂ emissions



Thermal Efficiency Indicator





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Characteristic	Symbol	Unit	Quantities and declared values								Standard
Thermal behaviour Max. service temp.	T	[°C]	560 (under 250 Pa)								EN 14706
			650								ASTM C411
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	500	EN 12667
	λ	[W/(m•K)]	0.032	0.036	0.044	0.051	0.063	0.087	0.122	0.163	ISO 13787
Specific thermal capacity	c	[kJ/(kg•K)]	1.03								ISO 10456
Fire protection / Behaviour in fire	-	-	Noncombustible, Euroclass A1								EN 13501-1
			Fire Spread Index = 0; Smoke Development Index < 20								ASTM E84
Chemical behaviour	-	-	AS-Quality Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel No short term water absorption by partial immersion (WS1)								AGI Q 132 EN 13468 ASTM C795 EN 1609
Application field	-	-	Product for use in technical applications, such as industrial boilers, pipes, refuse incineration systems, industry smoke stacks, exhaust gas lines and ducts 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 guideline EU 97/69 Nota Q								-
Facing	-	-	U TECH Wired Mats are stitched on one side using galvanized wire on a galvanized wire mesh On request: stainless steel stitching wire (X) and mesh (X-X)								-
Quality management	-	-	CE-marked according to EN 14303 Quality control according to VDI 2055 ISOVER has been certified according EN ISO 9001								EN 14303 VDI 2055 EN ISO 9001
Miscellaneous	-	-	Insulating material identification number: 10.01.02.56.04 MW-EN 14303-T2-ST(+/250)560-WS1-CL10								AGI Q 132 EN 14303

Delivery form: Standard dimensions / packaging information*							
Thickness** d [mm]	30	40	50	60	80	100	120
Width b [mm]	600	600	600	600	600	600	600
Length l [mm]	11,000	9,500	7,500	6,300	4,700	4,000	3,300
m ² /pack	13.20	11.40	9.00	7.56	5.64	4.80	3.96
Slabs/pack	18	18	18	18	18	18	18
Packs/pallet	238	205	162	136	102	86	71

* all dimensions require minimum order quantities / other dimensions on request

** Under a load of 1000 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.

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