




ULTIMATE Tech Wired Mat 5.0 Alu1


New: U TECH Wired Mat MT 5.0 Alu1 X / X-X

High performance ULTIMATE Wired Mat for medium-high temperatures – the economic alternative

U TECH Wired Mat MT 5.0 Alu1 X is the light and economic alternative to standard industry wired mats. With optimised product weight and high compression ratio at the same time U TECH Wired Mat MT 5.0 Alu1 X makes mounting and fixing easier and faster. When installed the product provides permanent thermal performance even in tough environments at temperatures up to 600 °C and mechanical stress.

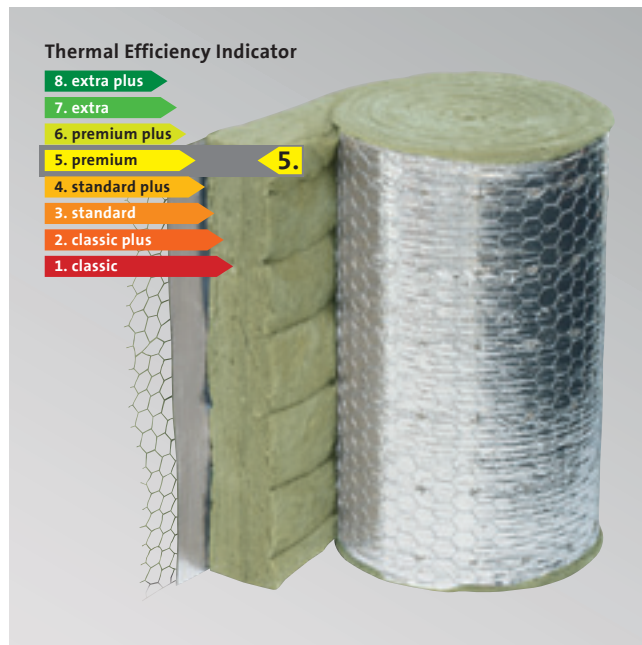
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Light weight
Unique lightness up to 45% less weight than conventional industry wired mats
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Thermal insulation
Excellent thermal insulation with up to 16% better thermal conductivity compared to traditional industry wired mats
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Fast Installation
Fast and easy transport and installation due to unique lightness, high compression for extended roll lengths and less cutting
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Acoustic Insulation
Combined optimal acoustic performance with high air flow resistance



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Characteristic	Symbol	Unit	Quantities and measured values	Standard							
Application fields	-	-	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	-							
Material	-	-	Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e. V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.	-							
Thermal conductivities	T	[°C]	50	100	150	200	300	400	500	550	EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.035	0.041	0.049	0.057	0.078	0.104	0.138	0.155	
Thermal behaviour	-	-	Maximum service temperature: Tmax = 540°C under 500Pa Tmax = 600 °C under 250 Pa From 150 °C on the binder begins to volatilise								EN 14706
Behaviour in fire	-	-	Non combustible Euroclass A1								EN 13501
Specific thermal capacity	c	[kJ/(kg·K)]	~ 1								-
Acoustics	α	kPa·S/m ²	Sound absorption, $\alpha_w = 0.99$ Specific Airflow resistance AFR ≥ 40								EN 11654 EN 29053
Chemical behaviour	-	-	AS-Quality Hydrophobic Sulphide-free Free of corrosion supportive material Silicone-free on request								AGI Q 132
Facing	-	-	U TECH Wired Mats are stiched on one side with austenitic stainless wire (X) on galvanized wire mesh Stainless wire mesh (X-X) on request The product is faced additionally on the wire mesh side with an aluminium foil of 65 g/m ² reinforced with a grid								-
Quality management	-	-	CE-marked according to EN 14303 Quality control according to VDI 2055 Isover has been certified according DIN EN ISO 9001								EN 14303 VDI 2055 DIN EN ISO 9001
Miscellaneous	-	-	Insulating material identification number: 10.01.03.54.05 CE-marking designation code: MW-EN-14303-T2-ST(+)-540-WS1-CL10								-

Delivery form: Standard dimensions / packaging information

	30	40	50	60	70	80	100	120
Thickness (mm)	30	40	50	60	70	80	100	120
Width (mm)	600	600	600	600	600	600	600	600
Length (m)	10.5	7.9	6.3	5.2	4.5	3.9	3.1	2.6
m ² /pack	12.6	9.48	7.56	6.24	5.4	4.68	3.72	3.12
m ² /pal	226.8	170.64	136.08	112.32	97.20	84.24	66.96	56.16
Rolls/pack	2	2	2	2	2	2	2	2
Pack/pal	18	18	18	18	18	18	18	18

Further dimensions available on request.

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 or Isover Dialog. We deliver only according to our terms of trade and terms of delivery.

ISOVER
SAINT-GOBAIN