



ULTIMATE Tech Wired Mat 6.0 Alu1

New: U TECH Wired Mat MT 6.0 Alu1 X / X-X

High performance ULTIMATE Wired Mat for medium-high temperatures – the efficient choice

U TECH Wired Mat MT 6.0 Alu1 X is the efficient and sustainable alternative to standard industry wired mats. Designed for optimal thermal insulation, reaching highest levels of thermal performance at temperatures of up to 650 °C, continuously and even under tough conditions e.g. mechanical stress like vibrations. U Tech Wired Mat MT 6.0 Alu1 X provides the best choice: Optimal thermal efficiency by reducing heat loss and CO₂ emissions, high thermal performance with thinner constructions in areas with space restrictions.



Thermal Insulation

Excellent insulation at higher temperatures with up to 30% better thermal conductivity compared to conventional wired mats



Thinner Constructions

Lower insulation thicknesses or even fewer insulation layers through improved thermal performance



Cost effective Solutions

High thermal performance provides rapid payback through improved energy- and CO₂- savings

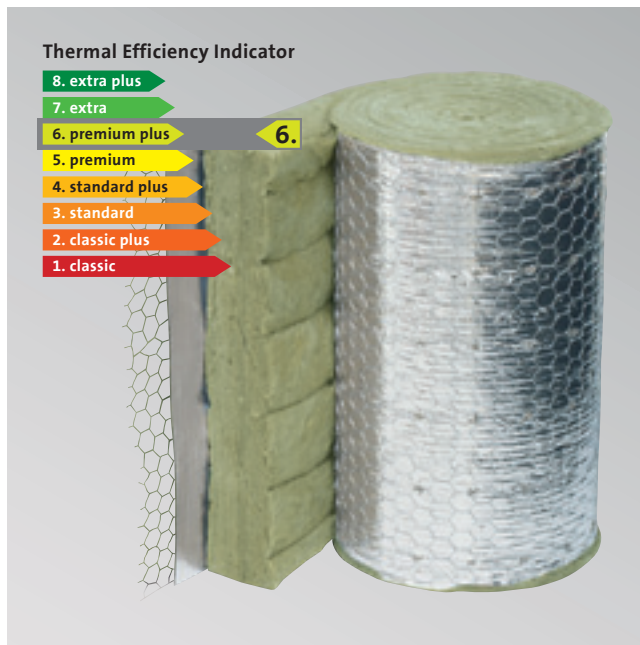


Transport Savings / Compression

Leight weight and high compression provides up to 50% savings of transport and storage costs and fast and efficient installation

Thermal Efficiency Indicator

- 8. extra plus
- 7. extra
- 6. premium plus
- 5. premium
- 4. standard plus
- 3. standard
- 2. classic plus
- 1. classic





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Characteristic	Symbol	Unit	Quantities and measured values										Standard
Application fields	-	-	Product for use in technical applications, such as industrial high-capacity boiler systems, steam-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 improved energy efficient constructions										-
Material	-	-	Mineral wool with quality mark 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.										-
Thermal conductivities	T	[°C]	50	100	150	200	300	400	500	600		EN 12667	
	λ _{N,R}	[W/(m•K)]	0.035	0.040	0.047	0.054	0.072	0.096	0.120	0.162			
Thermal behaviour	-	-	Maximum service temperature: Tmax = 620°C under 500Pa Tmax = 650 °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/m²	Sound absorption, α _w = 0.99 Specific Airflow resistance AFr ≥ 50										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/m² 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: 10.01.03.62.07 CE-marking designation code: MW-EN-14303-T2-ST(+)-620-WS1-CL10										-

Delivery form: Standard dimensions / packaging information								
Thickness (mm)	30	40	50	60	70	80	100	120
Width (mm)	600	600	600	600	600	600	600	600
Length (m)	10.0	7.5	6.0	5.0	4.3	3.7	3.0	2.5
m²/pack	12.00	9.00	7.20	6.00	5.16	4.44	3.60	3.00
m²/pal	216.00	162.00	129.60	108.00	92.88	79.92	64.80	54.00
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.

