



U TECH Pipe Section Mat MT 7.0 G1

The **ULTIMATE** solution for efficient large-diameter industry pipe insulation

ULTIMATE U TECH PipeSectionMat (PSM) MT 7.0 G1 is the ultra-efficient and fast solution to insulate large-diameter industry process pipelines with external diameters greater or equal than 324 mm (12") with a maximum service temperature of 620°C. The length and the V-shaped cuts of the PSM are adapted to the final diameter and thickness of the pipe insulation, leaving no thermal bridges once installed. A glass woven fabric facing improves the mechanical resistance during and after installation.

The product is delivered space-saving flat on pallets, but can be ordered like a pipe section indicating diameter, thickness and linear meter of pipe insulation. Pre-cutted parts to form elbows and connections are available on request. U TECH PSM MT 7.0 G1 is produced in AS-Quality (CL- ≤ 10 ppm) for usage in contact with austenitic steel pipes. On request with black glass fabric (G1).

Thermal Efficiency Indicator

8. extra plus

7. extra

7.

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic



ENERGY EFFICIENCY

Extra thermal performance for service temperatures up to 620°C with up to 35% better efficiency



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 620°C



COST EFFECTIVE SOLUTION

Extra thermal performance combined with lightweight provides installation time saving and less heat loss costs



THIN SOLUTION

Personal protection and heat loss requirements achieved with up to 35% less insulation thickness than standard solutions



FIRE REACTION

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

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	EN 12667 EN ISO 13787 ASTM C177
Ø ≥ 500 mm	λ	[W/(m·K)]	0.035	0.040	0.046	0.054	0.070	0.091	0.116	0.146	
Ø < 500 mm			0.038	0.045	0.054	0.065	0.092	-			
Thermal behaviour	T	[°C]	Maximum service temperature 620 (under 500 Pa) Maximum service temperature 700								EN 14707 ASTM 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 _L								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 C795/871
Application field	-	-	Product for use in technical applications, such as big diameter pipes								EN 14303
Material	-	-	ULTIMATE mineral wool, faced with a black glass woven fabric. With quality marks EUCB 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 2.1.05
Facing	-	-	On request: Black glass fabric facing (G1)								-
Miscellaneous	-	-	Insulating material identification number: 10.04.03.99.08 Designation code : MW-EN 14303-T9-ST(+)620-WS1-CL10								AGI Q 132 EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001								EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	DIAMETER Ø [MM]													
	324	356	368	406	419	457	508	610	660	712	762	813	914	1016
100	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25	10/6.25
50		22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75	22/13.75
60		18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25	18/11.25
80	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75	14/8.75

* The information refers to linear meters / pack.
Wooden pallet sizes: 1,200 x 1,200 mm or 2,000 x 1,200 mm.
All dimensions require minimum order quantities / other dimensions on request.



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