



U TECH Pipe Section Mat MT 7.0 G1

The ULTIMATE solution for big pipes insulation

High performance ULTIMATE Pipe Section Mat (PSM) – made from V-grooved slabs for perfect fit on big diameters pipes

U TECH PSM MT 7.0 G1 is the efficient solution to insulate big metal pipes with external diameters greater than 324 mm. The ULTIMATE wool withstand service temperatures up to 640 °C. The length and the V-Grooves of the slab are adapted to the final diameter and thickness of pipe section insulation, leaving no thermal bridges once installed. A glass woven fabric facing helps for mechanical resistance during and after installation.

The product is delivered space-saving flat on pallets, but shall be ordered as a pipe section (diameter and thickness).



Thermal insulation

With a concentric fibers orientation and ULTIMATE quality, U TECH PSM gives you the most efficient thermal insulation



Easy installation

With its width of 625 mm, its woven fabric facing, and weight of max 16 kg, it can be easily installed on big diameters by 1 person



Fast installation

With a density over 75 kg/m³, no need to install spacers or other support construction for claddings (for horizontal pipes)



Reaction to fire

With a european class A1 (non-combustible) the U TECH PSM can be installed on almost any hot pipes, up to 640 °C.



*
CE marking pending,
should be available
In July 2014

ISOVER
SAINT-GOBAIN

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Technical Data Sheet



Characteristic	Symbol	Unit	Technical properties	Standard							
Field of application	-	-	Insulation of big diameter (greater or equal to 324 mm) metal pipes, without need of spacers or other construction for claddings	DIN 4140 FESI Doc3							
Material	-	-	ULTIMATE mineral wool, faced with a black glass woven fabric. With quality mark RAL by the Gütegemeinschaft Mineralwolle e.V., unrisky regarding health (according German decree and Directive 97/69/EC Note Q)	-							
Thermal conductivity ISO 8497 to be used for diameters < 500 mm	T λ	[°C] [W/(m•K)]	10	50	100	150	200	300	400	500	EN 12667 ISO 8497
			0,032	0,035	0,040	0,046	0,054	0,070	0,091	0,116	
				0,037	0,044	0,052	0,063	0,096			
Thermal behaviour	-	°C	Maximum service temperature (under load of 500 Pa) = 640 °C Exposed to temperatures over 150 °C, the binder starts to sublime without altering the whole product	EN 14706 EN 14707							
Behaviour in fire	-	-	Non combustible, Euroclass A1	EN 13501-1							
Specific thermal capacity	c	[kJ/(kg•K)]	≈ 1,1	-							
Chemical behaviour	-	-	AS-Quality Leachable chloride content of ULTIMATE 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							
Facing	-	-	Woven fabric made out of black dyed glass yarns	-							
Dimensions and mounting advice	-	mm	V-Grooved slab length according {diameter and thickness} of pipe section insulation: from Ø 324 to 1016 (12¼ to 40 inches) and standard thicknesses 50, 60, 80 100 mm. V-Grooved slab width = pipe section length = 625 mm. Delivered flat and folded in pallets. Preferably unfold at installation place. Follow usual fastening means for fixing the U TECH PSM on the pipe (tape or adhesive or tie wire or strapping)	-							

Delivery form: standard dimensions / packaging information

Thick. / Diam. (mm)	Number of U TECH PSM per pallet (* = 2000x1200 pallet) / Total length of insulated pipe (in m)													
	324	356	368	406	419	457	508	610	660	712	762	813	914	1016
50	-	48/30	48/30	48/30	48/30	48/30	48/30	48/30	48/30	48/30 *	48/30 *	48/30 *	48/30 *	48/30 *
60	-	40/25	40/25	40/25	40/25	40/25	40/25	40/25	40/25 *	40/25 *	40/25 *	40/25 *	40/25 *	40/25 *
80	28/17,5	28/17,5	28/17,5	28/17,5	28/17,5	28/17,5	28/17,5	28/17,5*	28/17,5*	28/17,5*	28/17,5*	28/17,5*	28/17,5*	28/17,5*
100	24/15	24/15	24/15	24/15	24/15	24/15	24/15	24/15 *	24/15 *	24/15 *	24/15 *	24/15 *	24/15 *	24/15 *

Further dimensions available upon request

www.isover-technical-insulation.com

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