



U TECH Pipe Section MT 4.0

The **ULTIMATE** solution for industry pipe insulation

ULTIMATE U TECH Pipe Section MT 4.0 is the efficient and light alternative for the insulation of industry process pipelines for standard pipe diameters from 1/2 to 14 inches (15 to 356 mm). The ULTIMATE mineral wool preformed concentric-rolled pipe section is equipped with a pre-slit to facilitate the opening and fitting over the pipes. U TECH Pipe Section MT 4.0 are light and easy to handle. With a length of 1.2 m, installation time on straight pipes and thermal bridges thru joints can be reduced by 20 %. U TECH Pipe Section MT 4.0 can be used for service temperatures of up to 660 °C.



Excellent thermal insulation

Standard plus thermal performance. Efficient thermal insulation at medium to higher temperatures up to 660 °C



Unique light weight

Up to 50 % less weight compared to standard stone wool pipe insulation resulting in lighter constructions



Easy and fast installation

Up to 20 % faster to install than standard stone wool pipe insulation due to light weight, favourable 1.2 m length and easy handling

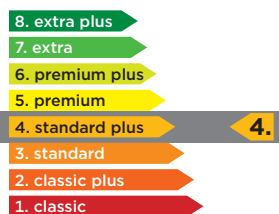


Effective fire protection

Non-combustible, Euroclass A1 and IMO for effective fire protection on industry and Marine/Offshore sites



Thermal Efficiency Indicator



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Characteristic	Symbol	Unit	Quantities and declared values						Standard
Thermal behaviour Max. service temp.	T	[°C]	660 (under 500 Pa)						EN 14707
			700						ASTM C411
Thermal conductivity	λ	[°C]	40	50	100	150	200	300	ISO 8497
		[W/(m•K)]	0.035	0.037	0.043	0.052	0.062	0.089	ISO 13787
Specific thermal capacity	c	[kJ/(kg•K)]	1.03						ISO 10456
Fire protection / Behaviour in fire	-	-	Non combustible, Euroclass A1 _L						EN 13501-1
			Fire Spread Index = 0; Smoke Development Index < 20						ASTM E84
			IMO-Resolution MSC.61(67); IMO MSC/Circ. 1120						FTP Code
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, for easy and time saving insulation of industrial pipes, exhaust gas lines and circular ducts, with need for: thermal and/or acoustic insulation with high performances especially at high temperatures						EN 14303
Material	-	-	ULTIMATE mineral wool, molded concentric in shape of pipe section With quality mark 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 regulation EC n°1272/2008 Nota Q						CINI 2.2.03
Facing	-	-	-						-
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	-	-	AGI Insulating material identification number: 10.04.03.66.99 MW-EN14303-T8-ST(+)-660-WS1-CL10 (outside pipe ø ≤ 150 mm) MW-EN14303-T9-ST(+)-660-WS1-CL10 (outside pipe ø > 150 mm)						AGI Q 132 EN 14303

Delivery form: Standard dimensions / packaging information*																					
Thickness d [mm]	Diameter ø [mm]																				
	15	18	22	28	35	42	45	48	54	57	60	64	70	76	89	102	108	114	133	140	159
	Linear meter / pack																				
20	57.6	50.4	43.2	36.0	30.0	24.0	19.2	19.2	28.8	28.8	27.6	24.0									
30	30.0	28.8	24.0	19.2	19.2	14.4	24.0	24.0	19.2	19.2	19.2	18.0	14.4	14.4	10.8	9.6	9.6	7.2	6.0	6.0	4.8
40			14.4	19.2	10.8	10.8	18.0	9.6	10.8	10.8	10.8	10.8	10.8	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8
50					10.8	10.8	10.8	10.8	10.8	10.8	9.6	9.6	9.6	4.8	4.8	6.0	4.8	4.8	4.8	4.8	3.6
60									4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	3.6	1.2
70												4.8	4.8	4.8	4.8	3.6	3.6	3.6	1.2	1.2	1.2
80														4.8	3.6	1.2	1.2	1.2	1.2	1.2	1.2
100															1.2	1.2	1.2	1.2	1.2	1.2	1.2
120																					1.2

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

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