



U TECH Pipe Section MT 4.0 - Marine

Marine & Offshore Insulation

ULTIMATE mineral wool provides a unique high-performance profile: It combines safety, comfort and ease of handling.



FIRE RESISTANCE

ULTIMATE provides effective fire resistance, but also very good performance in reaction to fire



THERMAL INSULATION

Excellent thermal insulation combined with unique efficiency



SOUND ABSORPTION

Improved acoustic comfort due to its excellent sound absorption and sound insulation properties



LIGHTWEIGHT

Increase insulation - reduce weight
ULTIMATE combines high fire & thermal performance with very low weight

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	40	50	100	150	200	250	300	EN 8497
	λ_{NR}	[W/(m·K)]	0.035	0.037	0.043	0.052	0.062	0.074	0.092	
Thermal behaviour	-	[°C]	Maximum service temperature: Tmax = 660°C under 500Pa From 150 °C on the binder begins to volatilise							AGI Q 132

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.00							-
Reaction to fire	-	-	Non combustible Euroclass A ₁ Non-combustible according to IMO-Resolution MSC.61(67) Homologated for shipbuilding EC Type Examine Certificate N°114.498 Melting point: ≥ 1000°C.							EN 13501 IMO DIN 4102-17
Chemical behaviour	-	-	AS-Quality Hydrophobic Sulphide-free Free of corrosion supportive material Silicone-free on request							AGI Q 132
Application field	-	-	Product for use in technical applications, for simple and timesaving insulation of pipes of all kinds especially for heating and industrial water lines, distant heating systems as well as pipe lines in construction of power plants and chemical plants							-
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.							-
Miscellaneous	-	-	Insulating material identification number: 10.04.03.66.99 EnEV Certificate, registration number 6V099 for both, with and without facing CE-marking designation code: MW-EN14303-T8-ST(+)-660-WS1-CL10 (outside pipe diameter ≤ 150 mm) MW-EN14303-T9-ST(+)-660-WS1-CL10 (outside pipe diameter > 150 mm)							-
Quality management	-	-	Insulating material for HVAC and industrial systems according to AGI Q 132 Quality control according to VDI 2055 ISOVER is certified according to EN ISO 9001 and EN ISO 14001							AGI Q 132 VDI 2055 EN ISO 9001 EN ISO 14001

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DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	DIAMETER Ø [MM]																			
	15	18	22	28	35	42	48	54	57	60	64	70	76	80	102	108	114	133	140	159
100														1.2	1.2	1.2	1.2	1.2	1.2	1.2
120																				1.2
20	57.6	50.4	43.2	36.0	30.0	24.0	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	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	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					4.8	4.8	4.8	4.8	4.8	9.6	9.6	9.6	4.8	4.8	6.0	6.0	4.8	4.8	3.6	3.6
60								4.8	4.8	4.8	4.8	4.8	6.0	4.8	4.8	4.8	4.8	3.6	1.2	1.2
70												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

* The information refers to linear meters / pack.
All dimensions require minimum order quantities / pipe section with slit on one side, length 1,200 mm / other dimensions 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. We deliver only according to our terms of trade and terms of delivery.

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