



U SeaProtect Wired Mat 48 Alu1

Wired Mats Aluminium faced – density 48 kg/m³

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]	10	50	100	150	200	300	400	EN 12667
	λ_{NP}	[W/(m·K)]	0.032	0.036	0.044	0.053	0.063	0.087	0.122	
Thermal behaviour	T	[°C]	The thickness of the insulating layer has to be correctly dimensioned so that the faced side is exposed to a maximum of 100 °C. From 150 °C on the binder starts to volatilise.							AGI Q 132

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03							ISO 10456
Reaction to fire	-	-	Melting point according to DIN 4102, part 17: ≥ 1000 °C Non combustible according to IMO-Resolution Homologated for shipbuilding according to EC Type Examination Certificates Nr.: MED-B+D Certificate = visit our website							DIN 4102-17 IMO-Resolution MSC.307(88)- (FTP-Code 2010)
Chemical behaviour	-	-	Sulphide free							-
Application field	-	-	Thermal insulation, acoustic insulation and fire protection constructions in shipbuilding.							-
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 Regulation (EC) N°1272/2008							-
Facing	-	-	U SeaProtect Wired Mats 36 - 86 Alu1 are one-sided faced with a reinforced alu foil U SeaProtect Wired Mats are stitched on one side using galvanized wire on a galvanized wire mesh							-
Water vapour diffusion resistance factor	μ	-	- 1.0							EN 10456
Quality management	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001							EN ISO 9001 EN ISO 14001 EN ISO 50001
Type approval certificates			EC-Type Examination MED-B (Non Combustibility): MED144221CS exp. 08/04/2026 EC-Type Examination MED-B (Low Flame Spread): 118147-06 exp. 24/01/2029 QAS MED-D Certificate: SEE0736Q0000108 exp. 19/05/2027							

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]
100	600
50	600

* Dimensions on request, products with minimum order quantities are requested.



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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