



# U SeaProtect Wired Mat 66 Alu1

## Wired Mats Aluminium faced – density 66 kg/m<sup>3</sup>

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
	$\lambda_{NP}$	[W/(m·K)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	
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	THICKNESS	VALUES	STANDARD
Sound absorption value	$\alpha_w$	-	50 mm	0.90	EN 11654

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: $\geq 1000$ °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	$\mu$	-	~ 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
30	600
40	600
50	600
60	600
70	600
80	600
90	600

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



### www.isover-technical-insulation.com

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