



U SeaProtect Wired Mat

Wired Mats unfaced - density from 36 to 86 kg/m³

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



Effective fire protection

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



Excellent thermal insulation

Excellent thermal insulation combined with unique efficiency



Optimal acoustic performance

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

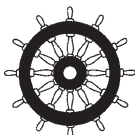


Light weight

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



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U SeaProtect Wired Mat



**Wired Mats unfaced -
density from 36 to 86 kg/m³**

Characteristic	Symbol	Unit	Quantities and measured values	Standard
Application fields	-	-	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	-
Thermal conductivity	T	[°C]	10 50 100 150 200 300 400	EN 12667
U SP WM 36	$\lambda_{N,P}$	[W/(m·K)]	0.032 0.037 0.045 0.055 0.069 0.104 0.153	
U SP WM 48	$\lambda_{N,P}$	[W/(m·K)]	0.032 0.036 0.044 0.053 0.063 0.087 0.122	
U SP WM 66	$\lambda_{N,P}$	[W/(m·K)]	0.031 0.035 0.040 0.047 0.054 0.072 0.096	
U SP WM 76	$\lambda_{N,P}$	[W/(m·K)]	0.031 0.035 0.040 0.047 0.054 0.072 0.096	
U SP WM 86	$\lambda_{N,P}$	[W/(m·K)]	0.031 0.037 0.043 0.050 0.054 0.072 0.093	
Thermal behaviour	-	-	Exposure to temperature until 650 °C (depends on density) is possible From 150 °C on the binder starts to volatilise	AGI Q 132
Behaviour in fire	-	[°C]	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)
Specific thermal capacity	c	[kJ/(kg·K)]	~ 1.03	ISO 10456
Water vapour diffusion resistance factor	μ	-	~ 1.0	ISO 10456
Sound absorption value	α_w	-	U SeaProtect Wired Mat 48 100 mm: 1,00 U SeaProtect Wired Mat 66 40/50 mm: 1,00	EN 11654
Chemical behaviour	-	-	Sulphide free	-
Miscellaneous	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001	ISO 9001 ISO 14001 EN ISO 50001

Delivery form: Standard dimensions / packaging information*		
	Width w (mm)	Thickness d (mm)
U SeaProtect Wired Mat 36	600 mm	50, 60, 70, 80, 100, 120 mm
U SeaProtect Wired Mat 48	600 mm	50, 80, 100 mm
U SeaProtect Wired Mat 66	600 mm	30, 40, 50, 60, 70, 80, 90, 100 mm
U SeaProtect Wired Mat 76	600 mm	30 mm
U SeaProtect Wired Mat 86	600 mm	On request

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

www.isover-technical-insulation.com

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