

## U SeaProtect Wired Mat Alu1



### Wired Mats aluminium faced – density 36 to 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.

# U SeaProtect Wired Mat Alu1



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667
U SeaProtect Wired Mat 36 Alu1	λ	[W/(m•K)]	0.032	0.037	0.045	0.055	0.069	0.104	0.153	
U SeaProtect Wired Mat 48 Alu1				0.036	0.042	0.051	0.060	0.086	0.122	
U SeaProtect Wired Mat 66 Alu1			0.031	0.035	0.040	0.047	0.054	0.072	0.096	

CHARACTERISTIC	SYMBOL	UNIT	THICKNESS	VALUES	STANDARD
Acoustic absorption value	$\alpha_w$	-	U SeaProtect Wired Mat Alu1 66 50 mm	0.90	-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Resistivity to air flow	$\sigma$	[KPa.s/m²]	U SeaProtect Wired Mat 36	30	DIN EN 29053
			U SeaProtect Wired Mat 66	60	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Thermal behaviour	T	°C	Maximum exposure temperature of 650°C (depending on the density) on the bare side, considering that the insulation thickness must be correctly dimensioned such that the coated side does not exceed 100° C. From 150°C the glue begins to volatilize.	AGI Q 132
Specific thermal capacity	c	kJ/(kg•K)	0.84	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 IMO
Chemical behaviour	-	-	Free of sulphides.	-
Application field	-	-	Thermal and acoustic insulation and fire protection constructions on ships.	-
Material	-	-	Mineral wool with quality marks EUCB 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 No 1272/2008 Note Q.	-
Facing	-	-	U SeaProtect Wired Mats 36 – 66 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	-	- 1.00	EN 10456
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001.	DIN EN ISO 9001 DIN EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*					
Products	Thickness d (mm)	Length l (m)	Width b (m)	m²/pack	m²/pallet
U SeaProtect Wired Mat 66 Alu1	30	10.00	0.60	12.00	216.00
U SeaProtect Wired Mat 66 Alu1	70	4.30	0.60	5,16	92.88

\* On some products, a minimum order quantity is required. Other dimensions on request.



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### [www.isover.es](http://www.isover.es)

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