

U SeaProtect Slab 66 A-A

Alu faced on both sides Slab – density 66 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)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	
Thermal behaviour	-	[°C]	U SeaProtect Slab: 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	α_w	-	30 mm	0.80 Class B	ISO 354 EN ISO 11654
			50 mm	0.90 (L) Class A	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	σ	[KPa·s/m²]	U SeaProtect Slab 66	60	EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Approximate specific heat	C_p	J/(Kg.K)	1000	-
Reaction to fire	-	-	Melting point according to 4102, part 17: ≥ 1000 °C. Non combustible according to IMO-Resolution MSC.61(67)- (FTP-Code 2010), IMO MSC/Circ. 1120. Homologated for shipbuilding according to EC Type Examination. Certificate Nr.: 114.528.	DIN 4102 IMO
Chemical behaviour	-	-	Sulphide free. Low chloride content on demand. Water repellent content on demand.	AGI Q132 EN 13468 ASTM C795
Application field	-	-	Thermal insulation, acoustic insulation and fire protection constructions in shipbuilding. E.g. for B-15 water extensions (details see certificate).	-
Material	-	-	Mineral wool with quality marks EUCER 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.	-
Water vapour diffusion resistance factor	μ	-	- 1.00	EN 12086
Thermal coefficient of expansion	α	1/K	No change in dimensions within the application field.	-
Quality management	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001.	EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION				
Length l (m)	Width b (m)	Thickness d (mm)	m²/pack	m²/pallet
1.20	0.60	50	51.84	51.84



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This data sheet was completed on the date indicated on the right-hand side and was done with ISOVER's knowledge and experience at that time. However, it does not offer any legal guarantee, unless it has been expressly agreed. Bearing in mind that our knowledge and developments of building solutions and products are continuously evolving, ensure that when you use this data sheet, it is the latest version. The description of the product applications does not take into account the special circumstances that may arise for a specific case. Please check that this product is the appropriate one for the application you are considering. For more detailed information, contact our network of ISOVER branches.

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SEP-2024

