

U SeaProtect Slab B-AI

**Panel with Aluminium - glass
fabric, aluminium on the outer
face - density from 20 to 100
Kg/m³**

ULTIMATE mineral wool provides unique high performance: it combines safety, comfort and easy handling.

FIRE RESISTANCE.



ULTIMATE provides effective fire resistance, but also very good performance in terms of its reaction to fire.

THERMAL INSULATION.



Excellent thermal insulation combined with unique efficiency.

SOUND ABSORPTION.



Provides acoustic comfort thanks to excellent sound absorption and sound insulation properties.

LIGHTWEIGHT.



ULTIMATE provides effective fire resistance, but also very good performance in terms of its reaction to fire.

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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		
U SeaProtect Slab 100	λ	[W/(m•K)]	0.031	0.035	0.040	0.046	0.054	0.070	0.091			
U SeaProtect Slab 24			0.034	0.040	0.049	0.062	0.080	0.124	-			
U SeaProtect Slab 36			0.032	0.037	0.045	0.055	0.069	0.104	0.153			
U SeaProtect Slab 46				0.036	0.042	0.051	0.060	0.086	0.122			
U SeaProtect Slab 56			0.031		0.041		0.049	0.057	0.078		0.104	
U SeaProtect Slab 66				0.035	0.040	0.047	0.054	0.072	0.096			
U SeaProtect Slab 76						0.046		0.070	0.091			
U SeaProtect Slab 86												
U SeaProtect Slab 90												

CHARACTERISTIC	SYMBOL	UNIT	THICKNESS	VALUES	STANDARD
Acoustic absorption value	α_w	-	U SeaProtect Slab 24 B-AI 50 mm	0.30	DIN EN 29053
			U SeaProtect Slab 36 B-AI 70 mm	0.40	
			U SeaProtect Slab 48 B-AI 100 mm	1.00	
			U SeaProtect Slab 56 B-AI 70 mm	0.45	
			U SeaProtect Slab 66 B-AI 50 mm		
			U SeaProtect Slab 76 B-AI 25 mm	0.40	
			U SeaProtect Slab 86 B-AI 50 mm	0.45	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Resistivity to air flow	σ	[KPa.s/m²]	U SeaProtect Slab 24	15	DIN EN 29053
			U SeaProtect Slab 36	30	
			U SeaProtect Slab 56	50	
			U SeaProtect Slab 66	60	
			U SeaProtect Slab 76	80	
			U SeaProtect Slab 80	90	
			U SeaProtect Slab 90	100	

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CHARACTERISTIC	SYM-BOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Thermal behaviour	T	°C	≤ 650 due to pure heat stress (U SeaProtect Slab 40 - 100) ≤ 550 due to pure heat stress (U SeaProtect Slab 24 - 40) U SeaProtect Slab B-AI: insulation thickness must be correctly dimensioned so that the cladding side does not exceed 100°C. From 150°C the glue begins to volatilize.	EN 14706
Specific thermal capacity	c	kJ/(kg·K)	1.00	ISO 10456
Fire behaviour	-	-	Melting point in accordance with DIN 4102, part 17: $\geq 1000^{\circ}\text{C}$. Non-combustible according to IMO-Resolution MSC.61 (67) - (FTP- Code), IMO MSC / Circ. 1120. Approved for shipbuilding according to EC Type Examination Certificate No.: 114.542 U SeaProtect Slab 90: construction certified to A 60 (floating floor) 100,185; top layer according to static calculations	DIN 4102 IMO
Chemical behaviour	-	-	Free of sulphides. Low chlorine content on request. Water repellent content on request.	AGI Q 132
Application field	-	-	Thermal and acoustic insulation and fire protection constructions on ships.	-
Material	-	-	Mineral wool with RAL marking by Gütegemeinschaft. Mineral Wool which presents no danger to health according to the German Dangerous Substances Decree, Chemical Prohibition Decree and according to EU97 / 69 Note Q.	-
Facing	-	-	U SeaProtect Slab B-GI from 20 to 120: coated aluminium- glass fabric, with aluminium on the outside.	-
Water vapour diffusion resistance factor	μ	-	- 1,0	EN 12086
Thermal coefficient of expansion	α	1/K	No dimensional change within the field of application.	-
Dynamic Stiffness	s'	M·N/m ³	U SeaProtect Slab 90: ≤ 7 U SeaProtect Slab 100: ≤ 8	-
Instructions for transformation	-	-	It can be cut and perforated. Due to the different densities there are different formats depending on the field of application.	-
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001.	DIN EN ISO 9001 DIN EN ISO 14001

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



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