

U SeaProtect Slab V1

Glass fibre covered panel - density from 20 to 90 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.



Increase the heat - reduce the weight. ULTIMATE combines high heat and temperature response with low weight.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	DIN EN 12667
U SeaProtect Slab 24	λ	[W/(m•K)]	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	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 86	90	
			U SeaProtect Slab 90	100	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Thermal behaviour	T	°C	≤ 650 due to pure heat stress (U SeaProtect Slab 40 - 90) ≤ 600 due to pure heat stress (U SeaProtect Slab 24 - 40) U SeaProtect Slab V1: insulation thickness must be correctly dimensioned so that the cladding side does not exceed 100°C. From 150°C the glue begins to volatilize.	AGI Q 132
Specific thermal capacity	c	kJ/(kg•K)	1.00	ISO 10456
Fire behaviour	-	-	Melting point in accordance with DIN 4102, part 17: ≤ 1000°C. Non-combustible according to IMO-Resolution MSC.61 (67) - (FTPCode), IMO MSC / Circ. 1120. Approved for shipbuilding in accordance with EC Type Examination Certificate N°: 114.484	DIN 4102 IMO
Chemical behaviour	-	-	Free of sulphides. Low chlorine content on request. Water repellent content on request.	-
Facing	-	-	Coated on one side with a glass fibre laminate.	-
Water vapour diffusion resistance factor	μ	-	- 1,0	EN 12086
Dynamic Stiffness	s'	M•N/m³	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.	-
Acoustic absorption coefficient	α _w	-	1.00	EN 11654
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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