isover
SAINT-GOBAIN



U SeaProtect Slab 86 B-Al

Slabs with an alu-coated glass fabric, alu side outside – Density 86 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	DIN EN 12667
	$\lambda_{N,R}$	[W/(m•K)]	0.031	0.035	0.040	0.046	0.054	0.070	0.091	
Thermal behaviour	T	[°C]	≤ 650 by pure thermal stress (U SeaProtect Slab 40 – 100) ≤ 550 by pure thermal stress (U SeaProtect Slab 24 – 40) 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	-	50 mm	0.45	-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	σ	[KPa• s/m²]	Density 86 kg/m³	90	DIN EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.00	ISO 10456
Reaction to fire	-	-	Melting point according to DIN 4102, part 17: ¨ 1000°C. Non combustible according to IMO-Resolution MSC.61(67)-(FTP-Code), IMO MSC/Circ. 1120. Homologated for shipbuilding according to EC Type Examination Certificate Nr.: 114.542 U SeaProtect Slab 90: certified construction for A 60 (floating floor) 100.185; top-layer only according to static calculation	DIN 4102 IMO
Chemical behaviour	-	-	Sulphide free Low chloride content on demand. Water repellent content on demand	AGI Q 132
Application field	-	-	Thermal insulation, acoustic insulation and fire protection constructions in shipbuilding	-
Material	-	-	Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e.V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.	-
Facing	-	-	U SeaProtect Slab B-Al 20 – 120: alu-coated glass fabric, with aluminium side outside	-
Thermal coefficient of expansion	α	1/K	No change in dimensions within the application field.	-
Instructions for transformation	-	-	Can be cut and punched. Due to the differentiation of density optimal delivery forms are possible for each application field.	-
Instructions for use	-	-	Can be cut and punched Due to the differentiation of density optimal delivery forms are possible for each application field	-
Quality management	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001	EN ISO 9001 EN ISO 14001

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DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*		
THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]
20	625	1200
25	625	1200
40	625	1200
50	625	1200

* On some products, minimum order quantities are requested.
** Further dimensions on request.

www.isover-technical-insulation.com

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

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