isover
SAINT-GOBAIN



U SeaProtect Slab 100 dB-Flex Alu

Slab faced with acoustic membrane - Density 100 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

SOUND INSULATION

Improved acoustic comfort due to its excellent sound insulation properties

THERMAL INSULATION

Excellent thermal insulation combined with unique efficiency

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
	$\lambda_{N,R}$	[W/(m•K)]	0.031	0.035	0.040	0.046	0.054	0.070	0.091	
Thermal behaviour	T	[°C]	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	QUANTITIES AND DECLARED VALUES	STANDARD
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	-	-	SeaProtect dB-Flex Alu is a sound protection membrane which, combined with U SeaProtect Constructions, provides turnkey solutions achieving very high sound reduction performance levels (up to 53-54 dB)	EN 12086
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 Surface with Low Flame Spread characteristics IMO Res. MSC.307(88) Homologated for shipbuilding according to EC Type Examination	DIN 4102 IMO
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001	EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*		
THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]
30	600	1200
40	600	1200
50	600	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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