



## U SeaProtect Slab 66 A-A

### Alu faced on both sides Slab – density 66 kg/m<sup>3</sup>

ULTIMATE U SeaProtect Slab 66 A-A 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 property.



#### LIGHTWEIGHT

Increase insulation – reduce weight. ULTIMATE combines high fire & thermal performance with very low weight.

# U SeaProtect Slab 66 A-A



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667
	$\lambda_{NP}$	[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	$\alpha_w$	-	U SeaProtect Slab 66: 30 mm	0.80 Class B	ISO 354 EN ISO 11654
			U SeaProtect Slab 66: 50 mm	0.90 (L) Class A	

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

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03	ISO 10456
Reaction to fire	-	-	Melting point according to 4102, part 17: $\geq 1000$ °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.	-
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 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.	-
Water vapour diffusion resistance factor	$\mu$	-	~ 1	ISO 10456
Thermal coefficient of expansion	1/K	$\alpha$	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*		
THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]
30	1200	600
40	1200	600
50	1200	600

\* Further dimensions on request.



[www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

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