



## U SeaProtect Roll 13 V1



### Rolls glass veil faced – Density 13 kg/m<sup>3</sup>

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.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES					STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	EN 12667
	$\lambda_{NR}$	[W/(m•K)]	0.039	0.047	0.063	0.080	0.108	
Thermal behaviour	T	[°C]	Exposure to temperature up to 400 °C (depends on density) is possible on the unfaced side, but 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	VALUES	STANDARD
Air flow resistivity	$\sigma$	[KPa• s/m <sup>2</sup> ]	Density 13 kg/m <sup>3</sup>	≥5	DIN EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Specific thermal capacity	c	kJ/(kg•K)	0.84	EN 14706
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.: 114.533	DIN 4102-17 IMO-Resolution MSC.307(88)-(FTP-Code 2010)
Chemical behaviour	-	-	Sulphide free.	-
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., unriskey 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 Rolls V1 13-36 are one-side faced with reinforced glass tissue.	-
Water vapour diffusion resistance factor	$\mu$	-	- 1	EN 14706
Quality management	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001.	EN ISO 9001 EN ISO 14001 EN ISO 50001
Type approval certificates			EC-Type Examination MED-B (Non Combustibility): 114478-06 exp. 08/03/2028 EC-Type Examination MED-B (Low Flame Spread): 118156-04 exp. 02/01/2029 GAS MED-D Certificate: SEE0736Q0000108 exp. 19/05/2027	

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*	
THICKNESS D [MM]	WIDTH B [MM]
100	1200
120	1200
50	1200
60	1200
80	1200

\* All dimensions require minimum order quantities / other dimensions on request.



## www.isover-technical-insulation.com

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