



# U SeaProtect Roll 13 V2

## 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/m²]	Density 13 kg/m³	≥ 5	DIN EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03	-
Reaction to fire	-	-	Melting point according to DIN 4102, part 17: ≥ 1000 °C Non combustible according to IMO-Resolution Homologated for shipbuilding according to EC Type Examination Certificates Nr.: MED-B+D Certificate = visit our website	DIN 4102 IMO
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 Regulation (EC) N°1272/2008	-
Facing	-	-	U SeaProtect Rolls V2 are faced with black glass tissue	-
Water vapour diffusion resistance factor	$\mu$	-	~ 1.0	EN 12086
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]
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](http://www.isover-technical-insulation.com)

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