



U SeaProtect Roll G220

Rolls glass cloth faced G220 – density from 20 to 36 kg/m³

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ULTIMATE mineral wool provides a unique high-performance profile: it combines safety, comfort and ease of handling.



Effective fire protection

ULTIMATE provides effective fire resistance, but also very good performance in reaction to fire.



Excellent thermal insulation

Excellent thermal insulation combined with unique efficiency.



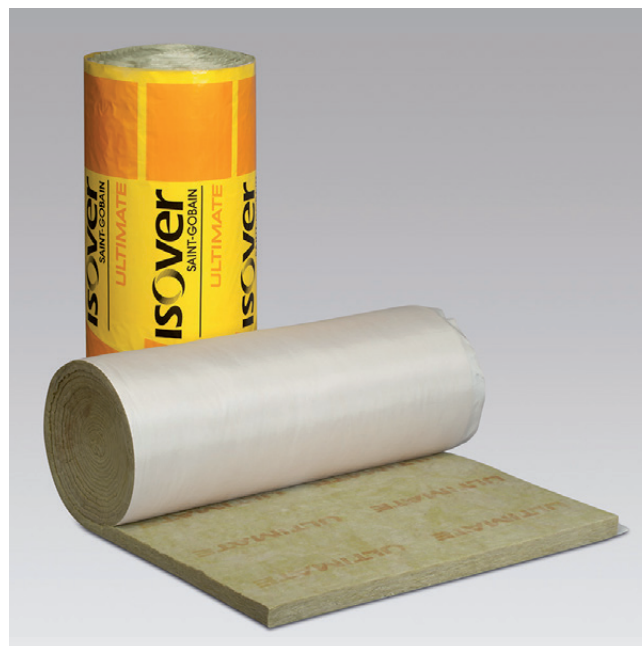
Optimal acoustic performance

Improved acoustic comfort due to its excellent sound absorption and sound insulation properties.



Light weight

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



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Characteristic	Symbol	Unit	Quantities and measured values							Standard
Application fields	-	-	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.							-
Thermal conductivities	T	[°C]	10	50	100	150	200	300	400	EN 12 667
U SeaProtect Roll 24 G220	$\lambda_{N,P}$	[W/(m·K)]	0,034	0,040	0,049	0,062	0,080	0,124	-	
U SeaProtect Roll 36 G220	$\lambda_{N,P}$	[W/(m·K)]	0,032	0,037	0,045	0,055	0,069	0,104	0,153	
Behaviour in fire	-	-	Melting point according to DIN 4102, part 17: ≥ 1000 °C. Non combustible according to IMO-Resolution MSC.61(67)-(FTPCode), IMO MSC/Circ. 1120. Homologated for shipbuilding according to EC Type Examination Certificate Nr. 114.529							DIN 4102 IMO
Thermal behaviour	-	[°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
Specific thermal capacity	c	[kJ/(kg·K)]	0,84							-
Water vapour diffusion resistance factor	μ	-	~ 1							EN 12086
Air flow resistivity	σ	[KPa· s/m ²]	U SeaProtect Roll 24: 15 U SeaProtect Roll 36: 30							DIN EN 29053
Absorption values	α_w	-	U SeaProtect Roll 24 G220 50 mm: 1,00							-
Chemical behaviour	-	-	Sulphide free.							-
Facing	-	-	U SeaProtect Rolls 20 G220 to 36 G220 are faced on one side with a glass fiber tissue with a gram weight of ~ 220 g/m ² .							-
Miscellaneous	-	-	ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001.							DIN EN ISO 9001 DIN EN ISO 14001

Delivery form*			
	Width [mm] (glass cloth facing)	Length [mm]	Thickness [mm]
U SeaProtect Roll 24 G220	1.200 (1.250)	depending on thickness	30, 40, 50, 60, 80, 100, 120
U SeaProtect Roll 36 G220	1.200 (1.250)	depending on thickness	60, 70

* on some products, minimum order quantities are requested
** further dimensions on request

www.isover-technical-insulation.com

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