

## Rolls glass cloth faced G220 - density 36 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	300	400	EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.032	0.037	0.045	0.055	0.069	0.104	0.153	
Thermal behaviour	T	[°C]	Exposure to temperature until 400 °C (depends on density) is possible From 150 °C on the binder starts to volatilise							AGI Q 132

CHARACTERISTIC	SYMBOL	UNIT	THICKNESS	VALUES	STANDARD
Sound absorption value	$\alpha_w$	-	70 mm	1.00	-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	$\sigma$	[KPa·s/m²]	Density 36 kg/m³	30	DIN 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 DIN 4102, part 17: $\geq 1000$ °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 4102-17 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 Regulation (EC) N°1272/2008	-
Facing	-	-	U SeaProtect Rolls G220 are faced on one side with a glass fiber tissue with a gram weight of ~ 220 g/m²	-
Water vapour diffusion resistance factor	$\mu$	-	- 1	ISO 10456
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

#### DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

Thickness d [mm]	Width b [mm]
70	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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