

# Slabs glass cloth faced 220 g/m<sup>2</sup> – 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 fi re & thermal performance with very low weight.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES STANDARD							
Thermal conductivity	Т	[°C]	10	50	100	150	200	300	400	
Thermal conductivity	$\lambda_{_{N,R}}$	[W/(m•K)]	0.032	0.037	0.045	0.055	0.069	0.104	0.153	
Thermal behaviour	т	[°C]	<ul> <li>≤ 650 by pure thermal stress (U SeaProtect Slab 40 - 90)</li> <li>≤ 550 by pure thermal stress (U SeaProtect Slab 24 - 40)</li> <li>U SeaProtect Slab G220: The thickness of the insulating layer has to be correctly dimensioned so that the faced side is exposed to a maximum of 100 °C.</li> <li>From 150 °C on the binder starts to volatilise.</li> </ul>						EN 14706	
CHARACTERISTIC	SYMBOL	UNIT	THICKNESS				VALU	IES	STANDARD	
Sound absorption value	a <sub>w</sub>	-	70 mm				1.00		DIN EN 29053	
CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES VALUES				IES	STANDARD		
Air flow resistivity	σ	[KPa• s/m <sup>2</sup> ]				3	30		DIN EN 29053	
Air now resistivity	0	[KPd* S/III ]	Density 36 kg/m <sup>3</sup> 30				DIN EN 29055			
CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD			
Specific thermal capacity	с	kJ/(kg.K)	1.00				ISO 10456			
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 Certifi cate Nr.: 114.480					DIN 4102 IMO		
Chemical behaviour	-	-	Sulphide free Low chloride content on demand. Water repellent content on demand			AGI Q 132				
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., unrisky regarding health according to German decree on dange- rous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.				-			
Facing	-	-	One-sided faced with glass fiber cloth with a gram weight of 220 $g/m^{2}$				-			
Water vapour diffusion resis- tance factor	μ	-	- 1.0			EN 12086				
Thermal coefficient of ex- pansion	α	1/K	No change in dimensions within the application field.				-			
Instructions for transformation	-	-	Can be cut and punched Due to the differentiation of density optimal delivery forms are possible for each 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]					
100	625	1200					
30	625	1200					
40	625	1200					
50	625	1200					
60	625	1200					
70	625	1200					
80	625	1200					

\* On some products, minimum order quantities are requested. \*\* Further dimensions on request.



### www.isover-technical-insulation.com

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The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.



SAINT-GOBAIN ISOVER · Tour Saint-Gobain, 12 place de l'Iris · 92096 La Defense Cedex · France