

## Slabs glass cloth faced 420 g/m<sup>2</sup> - Density 24 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	DIN EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.034	0.040	0.049	0.062	0.080	0.124	
Thermal behaviour	T	[°C]	$\leq 650$ by pure thermal stress (U SeaProtect Slab 40 - 90) $\leq 550$ by pure thermal stress (U SeaProtect Slab 24 - 40) U SeaProtect Slab G420: 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	THICKNESS	VALUES	STANDARD
Sound absorption value	$\alpha_w$	-	50 mm	0.90	DIN EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	$\sigma$	[KPa· s/m <sup>2</sup> ]	Density 24 kg/m <sup>3</sup>	15	DIN EN 29053

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Specific thermal capacity	c	kJ/(kg.K)	1.00	ISO 10456
Reaction to fire	-	-	Melting point according to DIN 4102, part 17: $\sim 1000$ °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.: 114.480	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 dangerous 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 420 g/m <sup>2</sup>	-
Water vapour diffusion resistance factor	$\mu$	-	- 1.0	EN 12086
Thermal coefficient of expansion	$\alpha$	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.	-
Instructions for use	-	-	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.

