



## Rolls unfaced – Density 56 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
	$\lambda_{NR}$	[W/(m·K)]	0.031	0.036	0.041	0.049	0.057	0.078	0.104	
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	$\alpha_w$	-	50 mm	1.00	-
			60 mm		

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	$\sigma$	[KPa·s/m <sup>2</sup> ]	Density 56 kg/m <sup>3</sup>	50	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 Hologated 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	-
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
Type approval certificates	-	-	EC-Type Examination MED-B (Non Combustibility): 114478-06 exp. 08/03/2028 QAS MED-D Certificate: SEE0736Q0000108 exp. 19/05/2027	

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

THICKNESS D [MM]	WIDTH B [MM]
30	1200
50	1200
60	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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