

## 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
	$\lambda_{N,R}$	[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	1.00	

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

#### 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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*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.*

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