



Wired Mats – density 66 kg/m³

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
	λ_{NP}	[W/(m·K)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	
Thermal behaviour	T	[°C]	Exposure to temperature until 650 °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	α_w	-	40 mm	1.00	EN 11654
			50 mm		

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: ≥ 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., unrisky 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	μ	-	~ 1.0	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]
100	600
30	600
40	600
50	600
60	600
70	600
80	600
90	600

* Dimensions on request, products with minimum order quantities are requested.



www.isover-technical-insulation.com

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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