

## Slabs unfaced - Density 50 kg/m<sup>3</sup>



ULTIMATE mineral wool provides a unique high-performance profile : It combines safety, comfort and easy 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	DIN EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.031	0.036	0,042	0,050	0,059	0,080	0,109	
Thermal behaviour	T	[°C]	≤ 650 by pure thermal stress From 150 °C on the binder starts to volatilise.							AGI Q 132

CHARACTERISTIC	SYMBOL	UNIT	THICKNESS	VALUES	STANDARD
Sound absorption value	$\alpha_w$	-	60 mm	1,00	ISO 354 ISO 11654

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	VALUES	STANDARD
Air flow resistivity	$\sigma$	[KPa· s/m <sup>2</sup> ]	Density 50 kg/m <sup>3</sup>	[40-60]	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: ≥ 1000 °C. Non combustible according to IMO-Resolution MSC.61(67)-(FTP- Code), IMO MSC/Circ. 1120. Homologated for ship building	RESOLUTION MSC.307(88) (2010 FTP CODE)
Application field	-	-	Thermal insulation, acoustic insulation and fire protection constructions in shipbuilding. Approved for A-Class steel constructions	-
Material	-	-	Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle. V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU97/69 Nota Q.	-
Water vapour diffusion resistance factor	$\mu$	-	- 1.0	-
Thermal coefficient of expansion	$\alpha$	1/K	No change in dimensions within the 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]
25	600	1200
30	600	1200
50	600	1200
60	600	1200

\* On some products, minimum order quantities are requested.

\*\* Further 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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