

CLIMCOVER Lamella Mat / ML 3

Characteristic	Symbol	Unit	Quantities and measured values					Standard
Application fields	-	-	External thermal and acoustic insulation of air ventilation ducts, pipe sections, drinking water pipes and containers, insulating constructions for ship building.					-
Material	-	-	G3 touch mineral wool produced according to glass wool production process of SAINT-GOBAIN ISOVER and labelled RAL (free of any hazardous material) according to German Institute for Quality Assurance and Certification and to European regulation Nr. 1272/2008 nota Q.					-
Thermal conductivity	T	[°C]	0	50	100	150	200	EN 12667 EN 12939
	$\lambda_{N,P}$	[W/(m·K)]	0,036	0,044	0,056	0,072	0,091	
Thermal conductivity, lambda calculated value	λ	[W/(m·K)]	0,040 W/(m·K) (according to German EnEV (40 °C); 20 mm - 100 mm thickness)					EnEV AbZ
Specific thermal capacity	c_p	[kJ/(kg·K)]	~ 1,03					EN ISO 10456
Thermal behaviour	-	-	Maximum service temperature: 260 °C. The insulation thickness has to be dimensioned in a way that the faced side be putted under a max. thermal stress of 100 °C. From 150 °C the binder starts to volatilise.					EN 14706 AGI Q 132
Fire behaviour	-	-	Non-combustible, euroclass A1. Non-combustible according to IMO resolution MSC.61(67)-(FTP-code), IMO MSC/Circ. 1120. Accredited for ship building according to EC-type examination certificate nb. 114.527. Surface material: low flame spread, See-BG-Zul.Nr. 118.147.					EN 13501 DIN 4102 IMO
Chemical behaviour	-	-	Suitable for the use with austenitic steel according to ASTM C 795. Silicone free. Low sulphide content.					ASTM C 795
Water vapour diffusion resistance factor	μ	-	~ 1 (mineral wool)					EN 12086
Diffusion equivalent air layer thickness	s_d	[m]	> 200 (facing)					EN 12086
Facing	-	-	The lamella mats are faced on one side with an aluminium mesh foil.					-
Insulating material identification number	-	-	Insulating material for industrial sites according to AGI Q 132. Insulating material identification number: 10.02.01.26.03.					AGI Q 132
Quality control	-	-	CE marked Z-23.14-1065. Registration number: 011-6V023. Eurofins certification: Indoor Air Comfort GOLD; according to CEN/TS 16516, ISO 16000-3, -6, -9, -11, EN 13419					EN 14303 AbZ VDI 2055 Keymark
Designation code	-	-	MW EN 14303-T4-ST(+)260-MV2.					DIN EN 14303
Miscellaneous	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001.					-

Delivery forms											
Thickness (mm)	Width (mm)	Length (mm)	m ² / pack*	Packs*/ palette	m ² / palette	Thickness (mm)	Width (mm)	Length (mm)	m ² / pack*	Packs*/ palette	m ² / palette
20	600	10,000	12.00	12	144.0	70	600	3,500	4.20	12	50.4
30	600	8,000	9.60	12	115.2	80	600	3,000	3.60	12	43.2
40	600	6,000	7.20	12	86.4	90	600	2,500	3.00	12	36.0
50	600	5,000	6.00	12	72.0	100	600	2,500	3.00	12	36.0
60	600	4,000	4.80	12	57.6						
Further thicknesses available on demand. Minimum order quantities required.											
*1 pack = 2 rolls											

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