



TECH Lamella Mat MT 2.1 Alu2

Compression-resistant stone mineral wool lamella mats

TECH Lamella Mat 2.1 is the flexible-to-use and time-saving alternative for the insulation of big diameter pipes, tanks and vessels, exhaust ducts and stacks or other curved structures. They can usually be installed without support structures independent of the pipe diameter (>DN 400 recommended).

TECH Lamella Mat 2.1 is offering classic-plus thermal performance for a maximum service temperature up to 250°C.

TECH Lamella Mat 2.1 Alu2 is faced with a reinforced aluminium foil acting as vapour barrier and improves mechanical strength for easy and fast bending.



MECHANICAL RESISTANCE

Compression-resistant lamella mat with vertical fiber structure



FAST INSTALLATION

Flexibility, lightweight and compressibility helps to handle and install the product easier and faster



THERMAL INSULATION

Classic-Plus thermal insulation performance for service temperatures up to 250°C



SOUND ABSORPTION

Up to 95% of sound energy absorbed due to optimal longitudinal air flow resistance and uniform porosity values

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

2.

1. classic

TECH Lamella Mat MT 2.1 Alu2



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	250	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.040	0.046	0.056	0.069	0.084	0.103	
Thermal behaviour	T	[°C]	Maximum Service Temperature 250 (under 500 Pa)						EN 14706

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03						ISO 10456
Reaction to fire	-	-	Euroclass A2-s1, d0						EN 13501-1
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)						EN ISO 29767
Chemical behaviour	-	-	AS-quality (Leachable Chloride ≤10ppm) Do not contribute to corrosion of stainless steel Leachable chloride content less than 10 ppm (CL10)						AGI Q 132 ASTM C795/871 EN 13468
Application field	-	-	Product for use in technical applications, such as big diameter pipes, tanks and vessels, exhaust ducts and stacks or others curved structures						EN 14303
Material	-	-	Stone mineral wool, with general orientation of the fibers perpendicular to product's surface With quality marks EUCEB, unriskey regarding health according to regulation EC No 1272/2008 Note Q						CINI 2.2.05
Facing	-	-	On request: Reinforced aluminium facing (Alu2)						-
Miscellaneous	-	-	Designation code : MW-EN 14303-T4-ST(+)205-WS1-CL10						EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001						EN 14303 EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M ² /ROLL	M ² /PALLET	ROLLS/PACK	PACKS/PALLET
100	1,000	2,300	2.30	41.40	1	18
20	1,000	8,000	8.00	160.00	1	20
30	1,000	5,000	5.00	100.00	1	20
40	1,000	4,000	4.00	80.00	1	20
50	1,000	3,000	3.00	60.00	1	20
60	1,000	3,000	3.00	63.00	1	21
70	1,000	4,000	4.00	48.00	1	12
80	1,000	2,000	2.00	40.00	1	20

* All dimensions require minimum order quantities / other dimensions on request.



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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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