



TECH Lamella Mat MT 2.0

Compression-resistant flexible glass mineral wool lamella mats

TECH Lamella Mat 2.0 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. With a compressive strength (CS 10) of ≥ 10 kPa they can usually be installed without support structures independent of the pipe diameter ($> DN 400$ recommended). TECH Lamella Mat 2.0 is offering classic-plus thermal performance for a maximum service temperature up to 400°C.

TECH Lamella Mat 2.0 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



THERMAL INSULATION

Classic-Plus thermal insulation performance for service temperatures up to 400 °C



FAST INSTALLATION

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



SOUND INSULATION

The ability of mineral wool to act as a spring results in reducing vibration and noise emissions in industrial processes



LIGHTWEIGHT

Lightweight solution with up to 50 % weight savings compared to standard insulation solutions



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



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.045	0.054	0.065	0.079	0.120	0.180	
Thermal behaviour	T	[°C]	Maximum service temperature 400 (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	-	-	Water vapour diffusion resistant ($\mu = 2$)						EN 12086
Compressive strength	CS	kPa	CS(10)10						EN 826
Chemical behaviour	-	-	AS-quality (Leachable Chloride ≤ 10 ppm) Do not contribute to corrosion of stainless steel Produced without addition of silicone Leachable chloride content less than 10 ppm (CL10)						AGI Q132 ASTM C795/871 VW PV 3.10.7 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	-	-	Glass mineral wool, with general orientation of the fibers perpendicular to product's surface. With quality marks EUCEB and 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 No 1272/2008 Note Q						CINI 2.1.05
Facing	-	-	Faced on one side with reinforced aluminium						-
Miscellaneous	-	-	Insulating material identification number: 10.03.02.99.05 Designation code : MW-EN 14303-T4-ST(+)-400-CS(10)10-MV2-CL10						AGI Q 132 EN 14303
Quality management	-	-	CE-marked according to EN 14303 Quality control according to VDI 2055 ISOVER is certified according to EN ISO 9001 and EN ISO 14001						EN 14303 VDI 2055 EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M ² /PACK	ROLLS/PACK
100	600	2500	3.00	2
50	600	5,000	6.00	2
60	600	4000	4.80	2
80	600	3000	3.60	2

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



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