



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 large-diameter process pipelines, exhaust ducts, tanks 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 $400\text{ }^{\circ}\text{C}$. 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.



Excellent thermal insulation

Classic-plus thermal insulation performance for maximum service temperature up to $400\text{ }^{\circ}\text{C}$



Easy and fast installation

With light-weight and compressive strength allowing to insulate flexibly around large diameter pipes and ducts without use of support structures

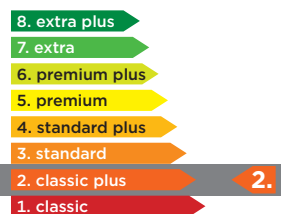


High compressive strength

Compression-resistant lamella mat with vertical fiber structure with compressive strength (CS10) ≥ 10 kPa



Thermal Efficiency Indicator





Compression-resistant flexible glass mineral wool lamella mats

Characteristic	Symbol	Unit	Quantities and declared values						Standard
Thermal behaviour Max. service temp.	T	[°C]	400 (under 500 Pa)						EN 14706
Thermal conductivity	T	[°C]	50	100	150	200	300	400	EN 12667 ISO 13787
	λ	[W/(m•K)]	0.045	0.054	0.065	0.079	0.120	0.180	
Specific thermal capacity	c	[kJ/(kg•K)]	1.03						ISO 10456
Fire protection / Behaviour in fire	-	-	Euroclass A2-s1, d0						EN 13501-1
Compressive strength	-	-	CS(10)10						-
Chemical behaviour	-	-	AS-Quality Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel Produced without addition of silicone						AGI Q 132 EN 13468 ASTM C795
Application field	-	-	Product for use in load-bearing technical applications, such as insulation of big diameter, pipelines, exhaust ducts, tanks or other curved structures						EN 14303
Material	-	-	Glass mineral wool, high density and general orientation of the fibres perpendicular to product's surface With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC n°1272/2008 Nota Q						CINI 2.1.05
Facing	-	-	Faced on one side with a reinforced aluminium Maximum temperature of 100 °C						-
Quality management	-	-	CE-marked according to EN 14303 ISOVER has been certified according EN ISO 9001						EN 14303 EN ISO 9001
Miscellaneous	-	-	Insulating material identification number: 10.03.02.40.05 MW-EN 14303-T4-ST(+)-400-CS(10)10-MV2-CL10						AGI Q 132 EN 14303

Delivery form: Standard dimensions / packaging information*				
Thickness d [mm]	50	60	80	100
Width b [mm]	600	600	600	600
Length l [mm]	5,000	4,000	3,000	2,500
m²/pack	6.00	4.80	3.60	3.00
Rolls/pack	2	2	2	2

* all dimensions require minimum order quantities / other dimensions on request

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.

SAINT-GOBAIN ISOVER · "Les Miroirs" · 18, avenue d'Alsace · 92400 Courbevoie · France

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