



TECH Slab MT 4.1 Alu2/V1

Standard-Plus performance robust stone mineral wool slabs

TECH Slab MT 4.1 is the medium-weight robust stone mineral wool slab for the insulation of industry tanks and vessels, exhaust ducts and stacks or other equipment with a maximum service temperature of up to 640 °C. It combines standard-plus thermal and acoustic performance.

TECH Slab MT 4.1 is available with AS-Quality (CI- ≤ 10 ppm) when in contact with austenitic steel structures. On request with yellow glass veil facing (V1) or reinforced aluminium facing (Alu2).



THERMAL INSULATION

Standard-Plus thermal insulation performance for service temperatures up to 640 °C



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 640 °C



SOUND INSULATION

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



FIRE REACTION

Non-combustible, Euroclass A1 for effective fire protection on industry sites



MECHANICAL RESISTANCE

Robust industry slab for optimal use in applications requiring high mechanical strength, e.g. by foot traffic

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

4.

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	EN 12667 ISO 13787 ASTM C177
	λ	[W/(m•K)]	0.041	0.047	0.055	0.065	0.089	0.118	0.155	0.201	
Thermal behaviour	T	[°C]	Maximum service temperature 640 (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	-	-	Non combustible; Euroclass A1 Euroclass A2-s1,d0 for TECH Slab MT 4.1 Alu2 Fire Spread Index = 0; Smoke Development Index < 20 Fire Spread Index ≤ 25; Smoke Development Index ≤ 25 for TECH Slab MT 4.1 Alu2								EN 13501-1 ASTM E84
Water behaviour	WS	kg/m²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m²)								EN ISO 29767
Chemical behaviour	-	-	Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel								EN 13468 ASTM C795/871
Application field	-	-	Product for use in technical applications, such as tanks and vessels, exhaust ducts and stacks or other equipment with need for good thermal and/or acoustic insulation at high process temperatures								EN 14303
Material	-	-	Stone mineral wool rigid board With quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q								CINI 2.2.01
Facing	-	-	On request: Reinforced aluminum foil (Alu2) Yellow glass veil facing (V1)								-
Miscellaneous	-	-	Designation code: MW-EN 14303-T4-ST(+)640-WS1								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	-	-	Please contact your local ISOVER dealer All dimensions require minimum order quantities Standard width: 500 mm 600 mm 1,000 mm Standard thickness range: 30 mm until 120 mm 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.

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