



TECH Slab MT 5.1

Premium performance rigid stone mineral wool slabs

TECH Slab MT 5.1 is the rigid 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 660 °C. It combines premium thermal and acoustic performance with mechanical strength.

TECH Slab MT 5.1 is available with AS-Quality (Cl- ≤ 10 ppm) when in contact with austenitic steel structures.

ENERGY EFFICIENCY



Premium thermal insulation performance at medium to higher service temperatures up to 660 °C

HIGH SERVICE TEMPERATURES



Especially designed for high service temperatures up to 660 °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

NUCLEAR PLANT QUALITY



Certified for use in nuclear applications

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

5.

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	0.054	0.063	0.084	0.110	0.143	0.182	
Thermal behaviour	T	[°C]	Maximum service temperature 660 (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 Fire Spread Index = 0; Smoke Development Index < 20								EN 13501-1 ASTM E84
Chemical behaviour	-	-	on request : Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel Especially designed and certified for use in nuclear applications								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 Especially designed and certified for use in nuclear applications								EN 14303
Material	-	-	Stone mineral wool rigid board With quality marks EUCB, unrisky regarding health according to regulation EC No 1272/2008 Note Q								CINI 2.2.01
Miscellaneous	-	-	Designation code : MW-EN 14303-T4-ST(+)660-WS1								AGI Q 132 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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