

TECH Slab MT 5.1



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 thermal and acoustic performance with mechanical strength.

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



ENERGY EFFICIENCY

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

For use in nuclear applications



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	EN 12667 ISO 13787
	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
Chemical behaviour	-	-	on request : 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 Especially designed and certified for use in nuclear applications								EN 14303 PMUC
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
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								-



www.isover-technical-insulation.com

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