



# TECH Slab MT 3.1

## Standard multi-purpose stone mineral wool slabs

TECH Slab MT 3.1 is the medium-weight solid stone mineral wool slab for the insulation of industry tanks and vessels, exhaust ducts and stacks or other equipments with a maximum service temperature of up to 600 °C. It combines standard thermal and acoustic performance.



### THERMAL INSULATION

Thermal insulation performance for service temperatures up to 600 °C



### HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 600 °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



### NUCLEAR PLANT QUALITY

For use in nuclear applications



### SOUND ABSORPTION

Up to 95 % of sound energy absorbed due to optimal longitudinal air flow resistance and uniform porosity values



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	EN 12667 EN ISO 13787
	$\lambda$	[W/(m·K)]	0.041	0.048	0.058	0.068	0.097	0.134	0.183	0.248	
Thermal behaviour	T	[°C]	Maximum service temperature 600 (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,d 0 for TECH Slab MT 3.1 Alu2								EN 13501-1
Water behaviour	WS	kg/m <sup>2</sup>	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m <sup>2</sup> )								EN ISO 29767
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel								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 board With quality marks EUCEB, unriskey 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(+)+600-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: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M <sup>2</sup> /PACK	M <sup>2</sup> /PALLET	PACKS/PALLET
30	600	1,200	9.36	112.32	12
40	600	1,200	7.30	86.40	12
50	600	1,200	5.76	69.12	12
60	600	1,200	4.32	51.84	12
80	600	1,200	3.60	43.20	12
100	600	1,200	2.88	34.56	12

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



### [www.isover-technical-insulation.com](http://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 · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France

