ISOVER
SAINT-GOBAIN

TECH Slab MT 3.1 Alu2/V1

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
Standard 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
Certified 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

Thermal Efficiency Indicator

8. extra plus
7. extra
6. premium plus
5. premium
4. standard plus
3. standard — 3.
2. classic plus
1. classic

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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
	λ	[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 Fire Spread Index = 0; Smoke Development Index < 20 Fire Spread Index ≤ 25; Smoke Development Index ≤ 25 for TECH Slab MT 3.1 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	-	-	Do not contribute to corrosion of stainless steel Especially designed and certified for use in nuclear applications	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 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(+)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]	M²/PACK	M²/PALLET	PACKS/PALLET
100	600	1,200	2.88	34.56	12
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

* 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 · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France

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