



TECH Slab HT 6.1

Application rigid stone mineral wool slabs for high-temperature

TECH Slab HT 6.1 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 700°C. It combines premium thermal and acoustic performance with high mechanical strength.

TECH Slab HT 6.1 is available (Cl- ≥ 10 ppm) when in contact with austenitic steel structures.

ENERGY EFFICIENCY



Optimized thermal insulation performance at medium to higher service temperatures up to 700°C

HIGH SERVICE TEMPERATURES



Especially designed for high service temperatures up to 700°C

THIN SOLUTION



Personal protection and heat loss requirements achieved with up to 35% less insulation thickness than standard solutions

MECHANICAL RESISTANCE



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

FIRE REACTION



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

NUCLEAR PLANT QUALITY



Designed and certified 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	650	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.039	0.044	0.051	0.058	0.076	0.098	0.123	0.154	0.172	
Thermal behaviour	T	[°C]	Maximum service temperature 700 (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
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)									EN ISO 29767
Compressive strength	CS	kPa	Compressive strength at 10 % deformation CS(10)20									EN 826
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 excellent thermal and/or acoustic insulation and compression resistance at high process temperatures Especially designed and certified for use in nuclear applications									EN 14303 PMUC
Material	-	-	Stone mineral wool heavy duty 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(+)-700-CS(10)20-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 Standard width: 500 mm 600 mm 1,000 mm Standard thickness range: 30 mm until 120 mm									-



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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