

Product Data Sheet

Application: INDUSTRY

Isover TECH Slab MT 5.1



Rigid stone wool slab for industrial applications

Isover TECH Slab MT 5.1 is a rigid stone 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 performance with mechanical strength.

Isover TECH Slab MT 5.1 is available with AS-Quality ($Cl^- \leq 10$ ppm) when in contact with austenitic steel structures.

Features and Benefits



**A1 FIRE
CLASSIFICATION**

European Reaction to Fire classification A1 in accordance with BS EN 13501-1.



**MECHANICAL
RESISTANCE**

Suitable for use in applications requiring high mechanical strength e.g. foot traffic.



INDUSTRY

Certified for use in nuclear power plants, PMUC number: 09-0014 PMUC.



**THERMAL
INSULATION**

Thermal insulation performance for service temperatures up to 660 °C.

Key Considerations

When using Isover TECH Slab MT 5.1 you need to satisfy yourself that use of the product meets all relevant national Building Regulations and guidance as well as local, national and other applicable standards relevant for your construction or application, including requirements in relation to fire.

Please refer to isover.co.uk for all current documentation relating to this product.

Product Specification

Product code	Thickness (mm)	Length (mm)	Width (mm)	Pack area (m ²)	Packs per pallet	Pallet area (m ²)
5200929581	30	1000	600	12.00	8	96.00
5200929583	40	1000	600	8.40	8	67.20
5200929582	50	1000	600	7.20	8	57.60
5200929584	60	1000	600	6.00	8	48.00
5200929585	100	1000	600	3.60	8	28.80

Thermal Conductivity

Mean temp °C	50	100	150	200	300	400	500	600
Declared thermal conductivity (W/m.K)	0.041	0.047	0.054	0.063	0.084	0.110	0.143	0.182

Characteristics

Thermal	Thermal conductivity standard EN 12667, ISO 13787 and ASTM C177.	Handling, Health and Safety	Information regarding installation, handling of Isover products and health and safety information can be found at isover.co.uk/suis .
Application	Product for use in technical applications, such as tanks and vessels, exhaust ducts and stacks or other equipment with need for basic thermal insulation. Especially designed and certified for use in nuclear applications. Standard EN 14303.	Chemical behaviour	On request : Leachable chloride content less than 10 ppm (CL10). Does not contribute to corrosion of stainless steel. Especially designed and certified for use in nuclear applications. Standard: EN 13468 and ASTM C795/871.
Environmental	All Isover products are manufactured under Environmental Management System – ISO 14001.	Quality	All Isover products are manufactured under Quality Management Standard – ISO 9001.
Storage	Products must be kept dry and protected from prolonged sunlight. The polyethylene packaging and shrink-wrapped pallets provide short-term protection only. For longer-term storage, keep the product indoors or under cover and off the ground.	Water behaviour	No short term water absorption by partial immersion ($WS \leq 1 \text{ kg/m}^2$). Standard EN 29767.
Certification	CE-mark according to EN 14303 Designation code : MW-EN 14303-T4-ST(+)660-WS1. Standard CINI 2.2.01.	Thermal behaviour	Maximum service temperature 660 °C (under 500 Pa). Standard EN 14706.
		Specific thermal capacity	1.03 kJ/(kg.K). Standard ISO 10456.
		EUCEB	EUCEB certified, demonstrating our mineral wool fibre products conform with Note Q of Regulation (EC) No 1272/2008.



Isover

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Isover reserves the right to amend or revise product specification without notice. The information in this publication is correct at the time of publication. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

For an up-to-date library of product information, users should visit the website at isover.co.uk

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