

**Product Data Sheet**

**Application:** INDUSTRY

# Isover TECH Slab MT 3.1



## Rigid stone wool slab for industrial applications

Isover TECH Slab MT 3.1 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 600 °C.

## Features and Benefits



**A1 FIRE  
CLASSIFICATION**

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



**THERMAL  
INSULATION**

Thermal insulation performance for service temperatures up to 600 °C.



**INDUSTRY**

Certified for use in nuclear power plants, PMUC number: 09-0013 PMUC.

# Key Considerations

When using Isover TECH Slab MT 3.1 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](http://isover.co.uk) for all current documentation relating to this product.

## Product Specification

| Product code | Thickness (mm) | Length (mm) | Width (mm) | Pack area (m <sup>2</sup> ) | Packs per pallet | Pallet area (m <sup>2</sup> ) |
|--------------|----------------|-------------|------------|-----------------------------|------------------|-------------------------------|
| 5200929577   | 40             | 1000        | 600        | 9.00                        | 8                | 72.00                         |
| 5200929578   | 50             | 1000        | 600        | 7.20                        | 8                | 57.60                         |
| 5200929579   | 60             | 1000        | 600        | 6.00                        | 8                | 48.00                         |
| 5200929580   | 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 | 0.048 | 0.058 | 0.068 | 0.097 | 0.134 | 0.183 | 0.248 |

## Characteristics

|                      |                                                                                                                                                                                                                                                 |                                    |                                                                                                                                                                              |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Thermal</b>       | Thermal conductivity standard EN 12667 and ISO 13787.                                                                                                                                                                                           | <b>Handling, Health and Safety</b> | Information regarding installation, handling of Isover products and health and safety information can be found at <a href="http://isover.co.uk/suis">isover.co.uk/suis</a> . |
| <b>Application</b>   | 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. | <b>Chemical behaviour</b>          | Does not contribute to corrosion of stainless steel. Especially designed and certified for use in nuclear applications. Standard ASTM C795/871.                              |
| <b>Environmental</b> | All Isover products are manufactured under Environmental Management System – ISO 14001.                                                                                                                                                         | <b>Quality</b>                     | All Isover products are manufactured under Quality Management Standard – ISO 9001.                                                                                           |
| <b>Storage</b>       | 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. | <b>Water behaviour</b>             | No short term water absorption by partial immersion ( $WS \leq 1 \text{ kg/m}^2$ ). Standard EN 29767.                                                                       |
| <b>Certification</b> | CE-mark according to EN 14303<br>Designation code : MW-EN 14303-T4-ST(+)-600-WS1.<br>Standard CINI 2.2.01.                                                                                                                                      | <b>Thermal behaviour</b>           | Maximum service temperature 600 °C (under 500 Pa). Standard EN 14706.                                                                                                        |
|                      |                                                                                                                                                                                                                                                 | <b>Specific thermal capacity</b>   | 1.03 kJ/(kg.K). Standard ISO 10456.                                                                                                                                          |
|                      |                                                                                                                                                                                                                                                 | <b>EUCEB</b>                       | 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](http://isover.co.uk)

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