

**Product Data Sheet**

**Application:** INDUSTRY

# Isover TECH Wired Mat HT 6.1



## Robust industry stone mineral wool wired mats for high temperatures

Isover TECH Wired Mat HT 6.1 is a stone mineral wool mat stitched on hexagonal galvanized wire mesh. Allows for flexible installation on uneven structures such as big diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks with a maximum service temperature of up to 700 °C.

Isover TECH Wired Mat HT 6.1 is available in AS Quality ( $Cl^- \leq 10$  ppm) when in contact with austenitic steel structures. On request available also with stainless steel wire (X) or stainless steel wire and wire mesh (X-X) and reinforced aluminium facing (Alu1).

## Features and Benefits



Achieves Euroclass A1 for effective fire protection on industry sites according to EN 13501-1.



Offers energy savings through helping to control temperatures and reduce heat loss or gain within large diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks.



Thermal insulation performance for service temperatures up to 700 °C.

# Key Considerations

When using Isover TECH Wired Mat HT 6.1 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> )
5200839143	50	4000	1000	4.00	21	84.00
5200839144	80	2500	1000	2.50	21	52.50

# Thermal Conductivity

Mean temp °C	50	100	200	300	400	500	600	650
Declared thermal conductivity (W/m.K)	0.040	0.041	0.050	0.069	0.096	0.130	0.169	0.201

# Characteristics

**Thermal** Thermal conductivity standard EN 12667, EN ISO 13787 and ASTM C177.

**Application** Product for use in technical applications, such as big diameter pipes, tanks and vessels, boilers, exhaust ducts and stacks. Especially designed and certified for use in nuclear applications. Standard EN 14303.

**Facing** On request: Reinforced aluminium facing (Alu1).

**Environmental** All Isover products are manufactured under Environmental Management System - ISO 14001.

**Certification** CE-mark according to EN 14303. Designation code: MW-EN 14303-T2-ST(+)-660-WS1-CL10. Standard CINI 2.2.02.

**Handling, Storage, Health and Safety** Information regarding storage, installation and handling of Isover products and health and safety information can be found at [isover.co.uk/suis](http://isover.co.uk/suis).

**Chemical behaviour** Leachable chloride content less than 10 ppm (CL10). Standard EN 13468. Does not contribute to corrosion of stainless steel. Standards: EN 13468 and ASTM C795/871.

**Quality** All Isover products are manufactured under Quality Management Standard - ISO 9001.

**Water behaviour** No short term water absorption by partial immersion (WS ≤ 1 kg/m<sup>2</sup>). Standard EN ISO 29767.

**Thermal behaviour** Maximum service temperature 700 °C (under 500 Pa).

**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](http://isover.co.uk)

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