




ISOVER TECH WIRED MAT MT 5.1




Mat of mineral wool made from rock fibre, reinforced with steel mesh on one side

Isover stone wool wired mats combine all the advantages expected of conventional thermal and acoustic insulation, with top level fire classification. Isover TECH Wired Mat MT 5.1 is designed to provide thermal and acoustic performance for industrial applications. They can be used at temperatures up to 660°C (see data below). Applications include large diameter pipes, tanks, vessels, furnaces, chimneys, boilers and other industrial equipment. The product features a galvanised steel woven mesh and stitching wire on one side. Stainless steel woven mesh and stitching wire are available on request.


Features and Benefits




Excellent thermal insulation
Can be used to meet UK thermal building standards to BS 5422 including those of energy saving and personnel protection thicknesses.



Cost-effective solutions
Isover TECH Wired Mat MT 5.1 are available in 1m wide or 2x500mm wide offering saving in transport and in the installation time.



Acoustic insulation
High levels of acoustic absorption for industrial applications.



Effective fire protection
Isover TECH Wired Mat MT 5.1 have Euroclass A1 fire rating when classified with BS EN 13501-1.

Thermal Conductivity

Mean Temp °C	50	100	200	300	400	500	600	650
Declared Thermal Conductivity (W/mK)	0.039	0.045	0.061	0.081	0.106	0.137	0.175	0.197

EN ISO 13787





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Product Specification

Product code	Length (mm)	Width (mm)	Thickness (mm)	Pack Area (m ²)	Weight per pack (Kg)	Packs per pallet	Pallet area (m ²)	Pallet weight (Kg)	M.O.Q.* (Pal)
5200839116	6000	2x500mm	30	6	18	21	126	378	1
5200839107	6000	1000mm	30	6	18	21	126	378	1
5200839117	5000	2x500mm	40	5	20	21	105	420	1
5200839108	5000	1000mm	40	5	20	21	105	420	1
5200839118	4000	2x500mm	50	4	20	21	84	420	1
5200839109	4000	1000mm	50	4	20	21	84	420	1
5200839119	3000	2x500mm	60	3	18	21	63	378	1
5200839110	3000	1000mm	60	3	18	21	63	378	1
5200839120	2500	2x500mm	70	2.5	17.5	21	52.5	368	1
5200839111	2500	1000mm	70	2.5	17.5	21	52.5	368	1
5200839121	2500	2x500mm	80	2.5	20	21	52.5	420	1
5200839112	2500	1000mm	80	2.5	20	21	52.5	420	1
5200839122	2000	2x500mm	90	2	18	21	42	378	1
5200839113	2000	1000mm	90	2	18	21	42	378	1
5200839123	2000	2x500mm	100	2	20	21	42	420	1
5200839114	2000	1000mm	100	2	20	21	42	420	1
5200839124	2000	2x500mm	120	2	24	21	42	504	1
5200839115	2000	1000mm	120	2	24	21	42	504	1

*M.O.Q.: Minimum Order Quantity

On request:

- TECH Wired Mat MT 5.1 X - mat reinforced with a galvanised steel mesh on one side, stitched with a stainless steel wire.
- TECH Wired Mat MT 5.1 X-X - mat reinforced with a stainless steel mesh on one side, stitched with a stainless steel wire.
- TECH Wired Mat MT 5.1 Alu1 - mat reinforced with a galvanised steel mesh on one side, stitched with a galvanised steel wire, with aluminium foil under the mesh.



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Mat of mineral wool made from rock fibre, reinforced with galvanised steel mesh on one side. Upon request the product is available in the variant with stainless wire stitching or a stainless mesh and stitching. Product with reduced content of chloride ions.

Maximum Service Temperature ST(+)	[°C]	660°C under 500Pa Note: From 150°C on the binder begins to volatilise. For specific installation details please contact Isover.	EN 14706
Thickness tolerance Class		T2	EN 823
Water absorption (WS)	[kg/m ²]	≤1	EN 1609
Trace quantity of water soluble chloride ions (CI)	[mg/kg]	<10	EN 13468
Transporting and warehousing		Isover products are supplied fully palletised, wrapped in a recyclable PE foil. Material should be transported in taut-liner trucks and stored in protected places to avoid the product getting wet or damp. Packaging is weatherproof for short term outside storage. Rolls should be stored to avoid mechanical damage and to ease handling.	



CHARACTERISTICS

Characteristic	Description
Application Fields	100kg/m ³ nominal density stone wool product for use in specific technical insulation, extra high temperature applications including large diameter pipes, tanks, vessels, furnaces, chimneys, boilers and other industrial equipment where superior thermal insulation and high efficiencies are required.
Fire Classification	Euroclass A1 fire rating when classified with BS EN 13501-1.
Corrosiveness	TECH Wired Mat MT 5.1 will not accelerate corrosion with copper, steel and aluminium plant and equipment.
Facing	TECH Wired Mat MT 5.1 features a galvanised steel woven mesh and thread on one side. Stainless steel woven mesh and thread are available on request.
Environmental Standards	All Isover products are manufactured under Environmental Management System - ISO 14001.
Quality Standards	All Isover products are manufactured under Quality Management System - EN ISO 9001.
Building Standards	Meets all UK process pipework standards including those of reducing heat loss and personnel protection thicknesses. Compliance with the following: England, Wales and Scotland BS 5422: 2009. For Scotland, also refer to Technical Handbooks; Domestic Handbook 2010 and Non-Domestic Handbook 2010 & Sections 6 - Energy. For installation guidance follow BS 5970:2012.
ODP/GWP	GWP < 5 (Global Warming Potential).
Recycled Content / Sustainability	Ask Isover for further details.
Certification	CE Marked to EN14303 Designation code: MW-EN14303-T2-ST(+)-660-WS1-CL10 Declaration of Performance can be found on www.isover.co.uk/dop .
External Applications	Isover products are suitable for external applications when used with an appropriate weatherproof jacketing system.

Customer Service - Order Placement and Enquiries

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Email: isovercustomerservice@saint-gobain.com

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Runcorn, Cheshire, WA7 3DP

Technical Enquiries - Advice and Support Line

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