



# TECH Wired Mat MT 5.1

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

The wired mat for thermal and acoustic insulations of flat and cylindrical surfaces (vessels, pipelines, chimneys, etc.) and other industrial equipment (pressure reduction stations, power turbines, fans, etc.).



## Excellent thermal insulation

Exceptional insulation efficiency thanks to excellent values of the thermal conductivity coefficient for a broad range of temperatures.



## Acoustic insulation

Improvement of acoustic comfort thanks to excellent sound absorption of ISOVER mineral wools.



## Effective fire protection

ISOVER mineral wools provide fire protection thanks to the highest class of their reaction to fire.

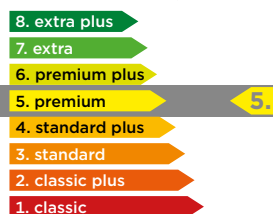


## Cost-effective solutions

High thermal insulation provides instant return on costs, causing energy savings and reduction of the CO<sub>2</sub> emissions.



### Thermal efficiency class



**ISOVER**  
SAINT-GOBAIN

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Characteristic	Symbol	Unit	Value								Standard
<b>Product</b>	-	-	Mat of mineral wool made from rock fibre, reinforced with galvanised steel mesh on one side. Upon Customer's request the product is available in the variant with stainless steel wire stitching or a stainless mesh and stitching. Product with reduced content of chloride ions.								-
<b>Declared value of the thermal conductivity</b>	T	[°C]	50	100	200	300	400	500	600	650	EN ISO 13787
	$\lambda_b$	[W/(m·K)]	0,039	0,045	0,061	0,081	0,106	0,137	0,175	0,197	
<b>Reaction to fire</b>	-	-	A1								EN 13501-1
<b>Maximum Service Temperature ST(+)</b>	MST	[°C]	660								EN 14 706
<b>Thickness tolerance class</b>	-	-	T2								EN 823
<b>Water absorption</b>	WS	[kg/m <sup>2</sup> ]	≤1								EN 1609
<b>Trace quantity of water soluble chloride ions</b>	CL	[mg/kg]	<10								EN 13468
<b>Transporting and warehousing</b>	-	-	The rolls of the mat are wrapped in the PE foil. Transport can be performed exclusively on vehicles with the upper coverage. The material must be transported in the manner securing it from getting wet or damp, and protecting it from damage. Loose rolls can be stored only in roofed places, in a lying position, one roll on the other, on an even, dry surface, preventing them from getting damp or wet, as well as protecting them from any mechanical damage.								-

## CLASSIFICATION

Standard:

EN-14303:2009+A1:2013

Designation code:

MW-EN 14303-T2-ST(+)-660-WS1-CL10

Declaration of Performance:

www.isover.pl/DoP

TECH Wired Mat MT 5.1							
MPS Product code	thickness mm	width mm	length mm	m <sup>2</sup> per package	m <sup>2</sup> per pallet	packages per pallet	pallet net weight
1014510030311	30	1000	6000	6,0	126,0	21	378,0
1014510040311	40	1000	5000	5,0	105,0	21	420,0
1014510050311	50	1000	4000	4,0	84,0	21	420,0
1014510060311	60	1000	3000	3,0	63,0	21	378,0
1014510080311	80	1000	2500	2,5	52,5	21	420,0
1014510100311	100	1000	2000	2,0	42,0	21	420,0

• Product available only on pallets

• Minimum order quantity: 3 tons

Other thicknesses upon request

Width 2x500 and 2x600 upon request

On request, it is possible to order the mats on the mesh in the following variants

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

Technical information provided in this brochure represents our current state of knowledge and experience as of the date of issue (see: date of issue). No legally binding guarantees are provided hereby, unless it is stipulated otherwise in a relevant agreement. Our knowledge and experience get constantly broadened. Make sure that you use the latest issue of this information. The product applications described herein do not take any special circumstances into account. You are obliged to verify whether our products are appropriate for a specific application.

**Saint-Gobain Construction Products Polska Sp. z o.o.**

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