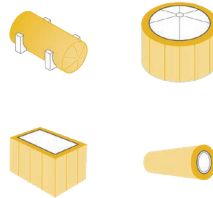


## POWER-TEK WM 680 GGN/GSN/SSN/GGA/GSA/SSA



November 2019

### APPLICATION RANGE



### DESCRIPTION

Power-teK WM is a mineral wool mat that is normally supplied with a galvanised wire mesh on one side and a Strapex band as practical carrying aid.

Power-teK WM 680 is also available with following facings: GGN, GSN, SSN, GGA, GSA, SSA.

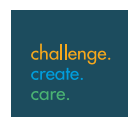
### PERFORMANCE

Maximum service temperature	680 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Density	ca. 120 kg/m <sup>3</sup> (EN 1602)
Declaration of performance	<a href="http://dopki.com/T4305GP">http://dopki.com/T4305GP</a>

Description	Sign	Description/data									Unit	Standard
		50	100	200	300	400	500	600	650			
Thermal conductivity depending on temperature	θ										°C	EN 12667
	λ	0.040	0.047	0.061	0.078	0.098	0.125	0.159	0.179	W/(mK)		
Water soluble chloride ions (AS quality)	-	≤ 10									ppm	EN 13468
Water absorption	W <sub>p</sub>	≤ 1									kg/m <sup>2</sup>	EN 1609
Water vapour diffusion resistance	μ	1									-	EN 14303
Silicone free	-	No emissions by lacquering disturbing substances									-	-
Melting point of fibres	θ	≥ 1000									°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 65									kPa*s/m <sup>2</sup>	EN 29053
Specific heat capacity	C <sub>p</sub>	1030									J/(kgK)	EN ISO 10456
Designation code	-	MW-EN14303-T2-ST(+)-680-WS1-CL10									-	EN 14303

Declared material properties are obtained in the production process and ensured by the factory production control in accordance with the European Standard at the time of manufacture. Observing storage and handling guidelines will maintain performance within published tolerances.

### CERTIFICATE





## ADDITIONAL INFORMATION

### Application

Vessels, Chemical plants, Firing systems, Large boilers in power stations, Vessels and tanks

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.

### Handling

Knauf Insulation products are easy to handle and easy to install. They are supplied in suitable packaging materials to balance necessary transport protection with sustainable recycling options. Packaging is not designed for long-term storage or exposure to harsh weather conditions. Further product information is mentioned on every pack.

### Storage

For longer term protection on site it is recommended to store the product indoors or alternatively under a roof and without direct contact to the ground (keep palletised).

### Note

Also available as:

WM GSN: galvanized-steel wire mesh, stainless-steel stitching wire, no facing

WM SSN: stainless-steel wire mesh, stainless-steel stitching wire, no facing

WM GGA: galvanized-steel wire mesh, galvanized-steel stitching wire, aluminium-facing

WM GSA: galvanized-steel wire mesh, stainless-steel stitching wire, aluminium-facing

WM SSA: stainless-steel wire mesh, stainless-steel stitching wire, aluminium-facing

### Standard formats\*:

Thickness	30-120 mm
Length	2.000 - 6.000 mm
Width	500 / 1.000 mm

\* Other dimensions on request.



Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

### ISO STANDARDS

Knauf Insulation products are produced according to four of the most important International Management Standards for sustainability ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and OHSAS 18001 (Health and Safety Management), all certified by Tüv Nord.

### Knauf Insulation d.o.o

Varaždinska 140  
42220 Novi Marof  
Croatia

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care.