KNAUFINSULATION Technical Solutions

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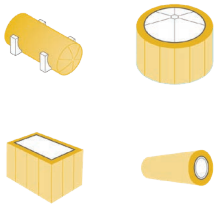
POWER-TEK WM 620 GGN/GSN/SSN/GGA/GSA/SSA/GGV

POWER-TEK

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 620 is also available with following facings: GGN, GSN, SSN, GGA, GSA,SSA, GGV.

PERFORMANCE

Maximum service temperature	620 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Density	ca. 70 kg/m³ (EN 1602)
Declaration of performance	http://dopki.com/T4305DP

Description	Sign	Description/data								Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	200	300	400	500	600	620	°C	EN 12667
	λ	0,040	0,047	0,067	0,094	0,130	0,173	0,228	0,239	W/(mK)	
AS quality	-	≤ 10								ppm	EN 13468
Total water absorption	W_p	≤ 1								kg/m²	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	≥ 20								kPa*s/m²	EN 29053
Specific heat capacity	c_p	1030								J/(kgK)	EN ISO 10456
Designation code	-	MW-EN 14303-T2-ST(+)620-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.

CERTIFICATES

CE EUCEB 0575 RAL GÜTEZEICHEN Erzeugnisse aus MINERALWOLLE INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT EMISSION CLASS FOR BUILDING MATERIAL M1

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ADDITIONAL INFORMATION

Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.
Containers, Fire safety, Chemical plants, Firing systems, Large boilers in power stations, Boiler and tank systems, Waste incineration systems, Pipe installation components, Shipbuilding, Drying systems

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
WM GGV: galvanized-steel wire mesh, galvanized stitching wire, white veil facing

Standard formats*

Thickness	30 -120 mm
Length	2000 - 6000 mm
Width	500 / 1000 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

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