KNAUF INSULATION Technical Solutions

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POWER-TEK WM 640 GGN

POWER-TEK

April 2018



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.

PERFORMANCE

Max. service temperature	640 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Apparent density	80 kg/m³ (EN 1602)
Declaration of performance	http://dopki.com/T4305EPCPR

Description	Sign	Description/data							Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	200	300	400	500	600	°C	DIN EN 12667
	λ	0,040	0,046	0,063	0,085	0,113	0,148	0,195	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 sustances							-	-
Melting point of fibres	-	≥ 1000							°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 40							kPa*s/m²	EN 29053
Specific heat capacity	c_p	1030							J/(kgK)	EN ISO 10456
AGI Designation code		10.01.02.40.08								AGI Q132
Designation code	-	MW EN 14303-T2-ST(+)640-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

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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

Our products are easy to handle and easy to install. It is supplied packaged in cardboard boxes or wrapped in foil (depending on the product) which are designed for short term protection only. Further product information is mentioned on every pack.

Storage

For longer term protection on site, it is recommended to store the product either indoors or under a roof and off the ground.

Note

Also available as:
WM GSN: galvanized-steel wire mesh, stainless-steel wire, no facing
WM SSN: stainless-steel wire mesh, stainless-steel wire, no facing
WM GGA: galvanized-steel wire mesh, galvanized-steel wire, Aluminium-facing
WM SGA: stainless-steel wire mesh, galvanized-steel wire, Aluminium-facing
WM SSA: stainless-steel wire mesh, Edelstahl-Draht, 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.

Knauf Insulation d.o.o

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