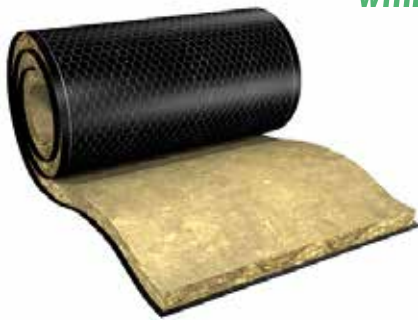


FIRE-TEK WM 908 GGB



May 2023



with **ECOSE[®]**
TECHNOLOGY

DESCRIPTION

Fire-tek[®] WM 908 GGB is a high-temperature resistant Rock Mineral Wool wired mats covered with a black re-inforced aluminium facing that has been especially designed for fire protection in round ventilation ducts. Listed fire classes can be reached with mounting acc. to the installation manual.

Knauf Insulation Fire-tek[®] WM 908 GGB are produced with ECOSE[®] Technology, a patented binder system, based entirely on renewable raw materials.

PERFORMANCE

Reaction to fire	A1 (EN 13501-1)
Fire classes	EI 30 at 60 mm thickness EI 60 at 80 mm thickness EI 90 at 100 mm thickness EI 120 at 100 mm thickness
Declaration of performance*	http://dopki.com/T4305EP

* for detailed information on DoP please check the product label

APPLICATION

Defined Fire-tek applications:

- Circular air ducts

The product is recommended for fire protection

- Passive fire protection of circular air duct

BENEFITS

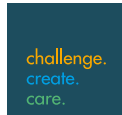
- ✓ Fire resistance class EI60/EI120 with Fire-tek[®] WM 908 GGB, if installed as part of the system Fire-tek[®] DuctProtect 30-120 C SYSTEM
- ✓ Quick and easy to use:
 - No gluing at the joints necessary
 - No welding pins required
 - Matching black and desert look
- ✓ Compact: thicknesses only 60, 80 or 100 mm
- ✓ No doubling layers at duct joints
- ✓ Suitable for moulded parts
- ✓ Excellent thermal and acoustic insulation
- ✓ Eurofins Certification Indoor Air Comfort Standard
- ✓ Strong outer packaging
- ✓ Sustainable product labelling
- ✓ Elastic, strong and flexible
- ✓ Hydrophob
- ✓ High temperature resistant
- ✓ Non combustible
- ✓ Age resistant
- ✓ ECOSE[®] Technology



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 ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

CERTIFICATES



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SPECIFICATIONS

Description	Sign	Description/data								Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	200	300	400	500	600	640	°C	EN 12667
	λ	0,040	0,046	0,064	0,088	0,122	0,163	0,212	0,239	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10								ppm	EN 13468
Total water absorption	W _p	≤ 1,0								kg/m ²	EN 1609
Water vapour diffusion resistance	μ	1								-	EN 14303
Silicone free	-	No emissions of lacquering disturbing substances								-	-
Melting point of fibres	ϑ	≥ 1000								°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 40								kPa*s/m ²	EN 29053
Specific heat capacity	c _p	1030								J/(kgK)	EN ISO 10456
Designation code	-	MW-EN14303-T2-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.

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 we recommend storing the product either indoors or alternatively under a roof cover and off the ground. If covered storage is not available, products can be stored outside (open-air-storage) if placed off the ground (keep palletized) and covered with plastic hood (foil), for a maximum of up to 6 months from the date of delivery. Outdoor storage is not recommended during particularly humid months with large fluctuations in temperature.

STANDARD FORMATS*

Thickness	60, 80, 100 mm
Length	2000 - 6000 mm
Width	500 / 900 / 1000 mm

*Other dimensions on request.



Knauf Insulation mineral wool products made 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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