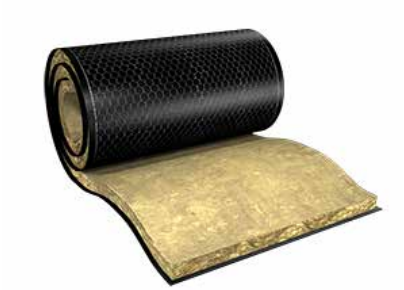
KNAUFINSULATION Technical Solutions

www.knaufinsulation-ts.com

FIRE-TEK WM 910 GGB

FIRE-TEK

November 2021



APPLICATION RANGE

DESCRIPTION

Fire-teK WM 910 GGB is a high-temperature-resistant alufaced mineral wool Wired Mat that has been especially designed for fire protection in round ventilation ducts to get EI 30 (ve ho i<->o) S with 40 mm if the mounting is acc. to the installation manual.

PERFORMANCE

Reaction to fire	A1 (EN 13501-1)
Fire classes	EI 30 at 40 mm thickness
Declaration of performance*	http://dopki.com/T4305FP

* for detailed information on DoP please check the product label

Description	Sign	Description/data							Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	200	300	400	500	600	°C	EN 12667
	λ	0,040	0,046	0,060	0,079	0,102	0,131	0,166	W/(mK)	
Water soluble chloride ions (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	ϑ	≥ 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
Designation code		MW-EN14303-T2-WS1-CL10							-	EN14303

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

Fire protection, Circular air ducts

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 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.

Note

WM GGB: galvanized-steel wire mesh, galvanized-steel wire, black aluminium-facing

Standard formats*

Thickness	40 mm
Length	2.000 - 6.000 mm
Width	500 / 900 /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 ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

Knauf Insulation d.o.o

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