

MCH G FLOCKS

Description

KNAUF INSULATION MCH G FLOCKS are flocks made of glass mineral wool and represent a perfect solution for thermal and fire insulation of round and rectangular shaped silencers. The product is manufactured with a binder-free composition, is silicone-free and incorporates a substantial proportion of renewable raw materials, thus making MCH G FLOCKS a sustainable solution.

Performance

- › **Fire performance:**
Classified as non-combustible Euroclass A1
- › **Sound performance:**
Optimal acoustics performance

Benefits

- › Euroclass A1
- › Optimal sound absorption
- › Excellent stability at high temperatures
- › Easy-to-use product
- › Binder-free composition
- › Sustainable solution
- › One-product solution



Application

Thermal, fire and sound protection of round and rectangular shaped silencers.

Standard

Technical properties of Knauf Insulation MCH G FLOCKS are declared in accordance with EN 13162.

Knauf Insulation MCH G FLOCKS are manufactured in accordance with ISO 9001 Quality Management Systems, ISO 14001 Environmental Management Systems, ISO 50001 Energy Management Systems and ISO 45001 Occupational Health and Safety Management Systems as certified by TÜV Nord.

Certificates



MCH G FLOCKS

Technical Specifications

Characteristics	Symbol	Value			Unit			Standard
Packaging density	ρ	16,6			kg/bag			-
Reaction to fire	-	Euroclass A1			-			EN 13501-1
Melting point	-	600			°C			DIN 4102/T17
Specific heat capacity	C_p	1030			J/kgK			-
Sound absorption coefficient	Frequency [Hz]	125	250	500	1000	2000	4000	EN 20354
	α_p	0.20	0.80	1.00	1.00	0.95	0.95	

Manufacturing process

Knauf Insulation MCH G FLOCKS are produced by grinding layers of glass mineral wool into smaller particles and are delivered in compressed bags on pallets to the customer's facilities.

In the blowing machine, flocks are fed into the hooper. The feeder transfers the flocks to the shredder, while the stream generated by the blower conveys the insulation to the outlet at high speed (air flow and insulation flow can be adjusted).

In the closed cabinet, ensuring dust retention, flocks are blown into the cavity – the hollow space between the inner and outer wall of the stainless-steel rectangular or round shaped silencers. After that, the silencers are ready to be installed in the building.



[Silencer manufacturing process video](#)

Handling and storage

Knauf Insulation MCH G FLOCKS are packed on in compressed bags and placed on wooden pallets. Bags are covered with a PE heat shrink hood or wrapped twice with stretch foil, which is designed for short-term protection only. For longer-term protection on site, we recommend storing the product either indoors, or under a cover and off the ground, for a maximum of up to 12 months. If covered storage is not available, products can be stored outside (open-air-storage), for a maximum of up to one month. Outdoor storage is not recommended during particularly humid months with large fluctuations in temperature.

The performance of MCH G FLOCKS depend on the customer's manufacturing process. Individual customers must establish, optimise and control their manufacturing process to ensure the material meets the requirements of their manufacturing process and their final product.

For the most up-to-date document versions and product information, please always refer to our website.

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