GFM

Fire protection mortar

Description

Fibre-free ready-mixed dry mortar of mortar group IIIa or M20.
GFM is suitable for pumping, pressing and manual installation.

Areas of Application

- Fire and smoke-proof sealing of individual cables
- For sealing joints around air conditioning and ventilation ducts, fire dampers, fire doors and shut-off devices.
- For filling cavities when installing steel frames.



Delivery and Packaging

GFM	
Packaging	bag
Container size	25 kg
Item number	
	01167000

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Technical data

Reaction to fire	GFM is classified as A1 in accordance with EN 13501-1.
Coating	Cement grey
Bulk density (fresh mortar)	2000 kg/m³ ± 10%
Dry bulk density	1.75 kg/dm³ ± 10%
Compressive strength	M 20 (MG III a)
Application temperature	≥ +5 °C
Application time	approx. 2–3 hours
Final strength	after approx. 28 days
Area of application	Universally applicable in solid floors and solid walls for: • wall and floor penetrations with insulated metallic pipes, • joints around air conditioning and ventilation ducts, fire dampers, fire doors and shut-off devices, • sealing of annular gaps when installing CT Cable Tubes, • filling cavities when installing steel frames
Application instructions	• Surfaces must be solid, free of adhesion-reducing substances and dust. • Absorbent surfaces should be pre-wet with water. • The consistency of the mortar must be adapted to fill all necessary building elements without cavities.
Consumption	4.0–5.0 l water + 25 kg dry mortar ≈ 15–18 l ready-to-use wet mortar ≈ 15–18 l volume after hardening

Storage	When stored in a dry place for at least 12 months from the date of manufacture, low in chromate in accordance with Regulation 1907/2006, GISCODE ZP1.
Shelf life	no limit
Processability	Provided the product is stored properly and retains its powdery consistency, it can continue to be processed even after the guaranteed low-chromate period has expired. After the guaranteed low-chromate period has expired, processing is permitted exclusively in closed systems or in compliance with applicable local regulations regarding occupational health and safety and safe use. The user is responsible for compliance with relevant regulations and for testing the product's suitability for the intended application.
Declaration of performance (DOP) no.	01167000-GFM

GFM

Safety, health and environmental protection

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	Test objective/ standard	Evaluation	Certificate / test report number
Emission measurements and evaluations	EPD	EPD vorhanden	NEPD-15212-18509
	AgBB scheme	passed	58718-A002-AgBB-L
	French-VOC	A+	58718-A002-FVO-L
	ecobau	eco 1	202407.13493
	Emicode	EC1PLUS – very low in emissions	19694/12.01.11
	BREEAM V7	passed	58718-A002-AgBB-L
	LEED v4.1 LEED v4	passed low emitting materials	58718-A002-AgBB-L
Substance information	The product • contains no substances of very high concern (SVHC according to REACH (1907/2006/EG)) SVHC > 0.1% • contains no chlorinated paraffins of any chain length • contains no halogenated blowing agents • contains no heavy metals • contains no polybrominated diphenyl ethers (PBDE), polybrominated biphenyls (PBB)		
Content, emission, and/or release of hazardous substances	• SVOC: after 3 days ≤ 0.005 mg/m³; after 28 days ≤ 0.005 mg/m³		
	• VOC: after 3 days ≤ 0.005 mg/m³; after 28 days ≤ 0.005 mg/m³		
Safety information	Please consult the safety data sheet for further information.		