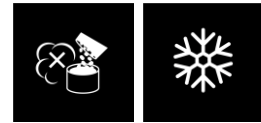


GROUTING MORTAR VM 30



- > High layer thicknesses possible
- > Frost-resistant
- > Loss-compensating
- > Dust reducing - does not generate dust when mixing
- > Excellent flowability



Product description

The VM 30 grouting mortar is a cement-bound, weatherproof and frost-resistant, highly flowable grouting mortar with a high final strength.

The dust reducing formulation of the product enables near-dust-free mixing. The VM 30 grouting mortar is used for friction-locked grouting work both indoors and outdoors, such as railing posts and supports, as grouting mortar for cavities and recesses, and as grouting for machine foundations and crane tracks in layer thicknesses of 4 to 150 mm (backfilled up to 300 mm).

Mortar for anchoring reinforcement bars according to ÖNORM EN 1504-6, to increase and restore the load-bearing capacity of concrete structures (procedure 4.2).

Delivery format

Container	Outer packaging	Pallet
25 KG / PS	-	42 PS

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

Processing

Recommended tools

slow-rotating electric mixer, suitable mixing vessel, brick trowel, smoothing trowel, mortar pan, spatula

Mixing

Put the recommended amount of water in a clean mixing vessel, add the VM 30 grouting mortar and mix using a slow-rotating mixer until a homogeneous and lump-free blend is obtained (mixing time approx. 3-4 minutes). Never use more water than specified for mixing! Before pouring, allow the mortar to aerate for around 5 minutes.

Processing

Process the mixed mortar quickly. Mortar that has already stiffened may not be reprocessed by adding water.

When grouting/pouring, pay attention to the corresponding pressure drop and pour in the mortar continuously. Machine processing is recommended for larger grout volumes. When machine processing with a mixing pump, the required amount of water must be determined in advance. Surface finishing, such as felting, should take place without adding water, if possible, so as not to alter the properties of the mortar.

Post-treatment:

Keep the fresh mortar from drying out too fast by taking appropriate measures (e.g. covering).

Tool cleaning:

Clean tools and equipment with water immediately after use. Hardened material can only be removed mechanically.

Technical data

Chemical base	cements, aggregates and admixtures
Bulk density	approx. 1.7 kg/litre
Grain size	4 mm
Consumption	approx. 2.0 kg/m ² /mm layer thickness
Processing time	approx. 30 minutes
Bending tensile strength	1 day: ~ 5 MPa; 7 days: ~ 7 MPa; 28 days: ~ 9 MPa
Compressive strength	1 day: ~ 30 MPa; 3 days: ~ 50 MPa; 7 days: ~ 55 MPa; 28 days: ~ 60 MPa
Fire class	Euroclass A1
Processing temperature	min. +5 °C / max. +30 °C
Elasticity module	approx. 30 GPa
Flow class	f2 according to ÖNORM B 3329
Water consumption	approx. 3.5 litres of water per 25 kg of VM 30 grouting mortar

Test certificates

Tested in accordance with (standard, classification ...)

EN 1504-6

Substrate

Suitable substrates

The substrate must be clean, solid, load-bearing and free from separating agents and adhesion-reducing components. Old coatings are to be removed. The concrete substrate must have a compressive strength of > 25 MPa and a surface tear strength of at least 1.5 MPa, as well as sufficient surface roughness. Before applying the mortar, the concrete must be wetted to capillary saturation, and then left to dry until matt.

All rust must be removed from steel parts.

Product and processing instructions

Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials up to the correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts and dilution instructions must be precisely adhered to!
- Check the colour accuracy of coloured products before use!
- Colour consistency can only be guaranteed within a batch.
- Environmental conditions may significantly affect colouration.
- Mixed material that has already started to stiffen may not be diluted further or replaced with fresh material!

Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system should not be switched on during the processing and hardening.

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Product-specific information regarding composition, handling, cleaning, appropriate measures and disposal can be found in the safety data sheet.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Keep away from foodstuffs, beverages, and animal feed.
- Take all contaminated clothing off immediately.
- Wash your hands before breaks and after finishing work.
- Avoid contact with skin and eyes.

Respiratory protection recommended.

- Filter P2.

Hand protection:

- Protective gloves.
- The glove material has to be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made of a stable material (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time must be obtained from the protective glove manufacturer and complied with.

Eye protection: tightly sealed protective glasses.

Body protection: occupational protective clothing.

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possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction.

Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.