

CONSTRUCTION

Minobond AM

ANCHORING MORTAR

DESCRIPTION

MINOBOND AM is a mortar based on cement with fine-grained binder. It is a material that is easy to place and can be applied immediately after mixing with water.

APPLICATION AND USE

- Filling of scratches
- Anchoring of steel parts in horizontal and vertical concrete surfaces
- Filling of scratches cracks, joints and deficiencies of concrete

ADVANTAGES

- Good workability
- Excellent adhesion to concrete and steel
- Rapid strength gain
- Non-shrinkable cement-based mortar
- Non-permeable to water
- Chloride free



TECHNICAL DATA

The data below are laboratory data. They may vary in practice due to surface properties of the substrate, humidity, pressure, and other factors.

PRODUCT CHARACTERISTICS

Product	Minobond AM
Compressive strength (at 20 °C) after 24 hours after 28 days	≥ 40 MPa ≥ 80 MPa
Chloride ion content	≤ 0.05%
Expansion (FIP method)	≥ 0.2 ‰
Fresh wet density	2200 ± 100 kg/m ³
Elastic modulus	25 GPa

COMPONENT CHARACTERISTICS

Parameter	Minobond AM
Colour / form	grey powder with aggregates < 0.5 mm
Amount of water per 25 kg bag	5.0 liters
Pot life at 20 °C	30 minutes
Output / Yield	13.5 dm ² /25 kgs bag

APPLICATION METHOD

1. Preparation of the substrate

The treated surface must be thoroughly cleaned and all the loose concrete debris as well as cement wash. Keep the surface moisten but with no film of water before application.

2. Mixing

Mix the Minobond AM with the prescribed amount of water for at least 3 minutes. Prepare only necessary amount of mortar that can be applied within the pot life.

When the job is to be carry out at the ambient temperature below 10°C use warm water.

3. Application of mortar

Fill the borehole through the injection lance or grouting anchor. Use a suitable pump (i.e. Wedgrip Universal Grout Pump System). Immediately after the filling insert the anchor.

4. Curing

Exposed surface should be prevented from premature evaporation of water e.g. by covering with a plastic sheet in case of necessary.

Cleaning of tools and other equipment

After use immediately clean all the mixing equipment with water. If necessary remove mechanically all the remnants of hardened mortar.

SAFETY INSTRUCTIONS AND LIMITATIONS

It is recommended that gloves, eye protection and a dust mask are used when handle Minobond AM. For more details refer to our Material Safety Data Sheet.

The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C static temperature or at 5°C and rising, the application may proceed.

At ambient temperatures above 35°C, the material should be stored in the shade and cool water should be used for mixing.

PACKAGING AND TRANSPORTATION

25 kg valve sack, 40 bags per pallet. Other packing on request.

STORAGE AND SHELF LIFE

Shelf life 6 months when stored in dry and cool conditions.

DISPOSAL

Follow local regulations.

APPROVALS AND CERTIFICATES

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ADDITIONAL DOCUMENTATION

- Minobond AM MSDS

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- CZECH REPUBLIC: Minova Bohemia s.r.o.
- FRANCE / BELGIUM: Sales office Minova France / Belgium
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
- POLAND: Minova Ekochem S.A.; Minova Arnall Sp. z o.o.; Minova Ksante Sp. z o.o.
- RUSSIA: ZAO "Carbo-ZAKK"
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- APAC: Minova Australia Pty Ltd.
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CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

www.minovaglobal.com