

Corrosion Protection for Reinforced Steel

- **approved for drinking water**
- **cement-based**
- **single component**

Properties

VANDEX CORROSION PROTECTION M was tested in accordance with German ZTV-SIB 90 specifications and approved for its intended use. Not only does it enhance rebar corrosion protection, but also improves adhesion to subsequently applied VANDEX repair and coating mortar.

VANDEX CORROSION PROTECTION M is a high quality mineral-based protective mortar approved for use in drinking water structures (in accordance with German DVGW instruction W 270). It is a refined dry mortar ready for use after mixing with water. It is resistant to frost and de-icing salts, allows vapour diffusion and reduces CO₂ penetration. VANDEX CORROSION PROTECTION M forms a hard coating.

Surface Preparation

Exposed reinforcing steel should be cleaned and the residue removed by sandblasting or by using other suitable tools (be sure to achieve SA 2.5 clean rating in accordance with DIN 55928). Remove concrete surrounding the corroded steel to a sound substrate.

Steel and concrete may be moist.

Mixing

Using a mechanical mixer, mix 5 kg of VANDEX CORROSION PROTECTION M and 1.4 liters of water for about 3 minutes until homogeneous and free of lumps. Allow to stand for about 3 minutes, briefly stir once again.

Application

Using brush or roller, carefully apply at least two coats of VANDEX CORROSION PROTECTION M with no breaks on prepared steel. Each subsequent coat may be applied after about 1 hour on sufficiently hardened first coat.

VANDEX CORROSION PROTECTION M may be applied at temperatures between +5°C and +35°C, which apply to substrate, mortar and building material. Depending on temperature, use within 45 to 60 minutes.

Cleaning

Clean tools with water after use.

Consumption

Approx. 2 kg/m² per layer.

Packaging

5-kg plastic, resealable buckets.

Storage When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.

Disposal No hazardous waste.
Container suitable for recycling.
Unused material (dry powder and hardened surplus mortar) may be handled as construction debris.

Technical Data

| | |
|--|-------------|
| Appearance | grey powder |
| Grain size [mm] | 0.1 - 0.6 |
| Bulk density [kg/dm ³] | about 1.4 |
| Minimum coating thickness [mm] | 2.0 |
| All data determined as mean values at laboratory conditions. | |

Health and Safety VANDEX CORROSION PROTECTION M contains cement.
Irritating to eyes and skin. May cause sensitization by skin contact. Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves.
For further information please refer to Material Safety Data Sheet.

The information contained herein is based on our longterm experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.



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