

## Corrosion Protection for Reinforced Steel

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

---

<b>Properties</b>	<p>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.</p> <p>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 CO<sub>2</sub> penetration. VANDEX CORROSION PROTECTION M forms a hard coating.</p>
<b>Surface Preparation</b>	<p>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.</p> <p>Steel and concrete may be moist.</p>
<b>Mixing</b>	<p>Using a mechanical mixer, mix 5 kg of VANDEX CORROSION PROTECTION M and 1.4 litres of water for about 3 minutes until homogeneous and free of lumps. Allow to stand for about 3 minutes, briefly stir once again.</p>
<b>Application</b>	<p>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.</p> <p>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.</p>
<b>Cleaning</b>	<p>Clean tools with water after use.</p>
<b>Consumption</b>	<p>Approx. 2 kg/m<sup>2</sup> per layer.</p>
<b>Packaging</b>	<p>5-kg plastic, resealable buckets.</p>
<b>Storage</b>	<p>When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.</p>

---

---

**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 <sup>3</sup> ]	about 1.4
Minimum coating thickness [mm]	2.0

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

---

**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 long-term 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.

**CONCRETE PROTECTION AND WATERPROOFING****HEADOFFICE AND INTERNATIONAL SALES:****VANDEX INTERNATIONAL LTD**

P.O. Box, CH-4501 Solothurn/Switzerland

Phone: +41 (0)32 626 36 36, Fax +41 (0)32 626 36 37

E-mail: info@vandex.com www.vandex.com

**PRODUCTION AND SALES GERMANY/AUSTRIA:****VANDEX ISOLIERMITTEL-GESELLSCHAFT m.b.H.**

Postfach 1406, D-21487 Schwarzenbek/Germany

Phone: +49 (0)4151 89 15-0, Fax +49 (0)4151 89 15 50

E-mail: info@vandex.de www.vandex.de

