

## **Cementitious, Repair Mortar**

- **1 component**
- **high compatibility with concrete**
- **excellent workability**
- **environmentally friendly packaging**

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### **Properties**

The balanced formulation of the fresh mortar provides the following important properties:

- excellent workability
- non-slumping
- practice-matched curing

The cured mortar is highly compatible with concrete in respect of:

- compressive and bending tensile strengths
- modulus of elasticity
- coefficient of thermal expansion

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### **Surface Preparation**

Using standard techniques such as chiseling, brushing, sand-water blasting and cutting, remove all loose material, cement laitance and any contamination back to a sound and clean concrete substrate. The repair area must be free of dust, oil and grease. Shortly before application of the VANDEX CRS REPAIR MORTAR 05 dampen the repair area with clean water, leaving the concrete damp but not wet.

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### **Mixing**

Mechanically mix 25 kg of VANDEX CRS REPAIR MORTAR 05 with 2.75 - 3.25 litres (1 kg + 110 - 130 ml) of water for 3 - 5 minutes:

Restir briefly after a short standing time. Do not add more water.

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### **Application**

VANDEX CRS REPAIR MORTAR 05 may be trowelled or sprayed. Depending on temperature, the pot-life is approx. 20 to 30 minutes. Restir repeatedly during use. Stiffened mixtures must be discarded. Do not add more water.

First apply a scrape coat of VANDEX CRS REPAIR MORTAR 05 onto the damp substrate. Immediately following the scrape coat apply VANDEX CRS REPAIR MORTAR 05 not exceeding the following individual layer thicknesses:

horizontal / vertical application	35 - 50 mm
overhead application	25 mm

For greater depths, the mortar is applied in successive layers.

VANDEX CRS REPAIR MORTAR 05 must not be used at temperatures below 5 °C.

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**Curing** Immediately after application the repairs must be protected from rapid drying out caused by high temperatures or strong winds, for 2 - 3 days. Use plastic foil or moist burlap.

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**Consumption** Approx. 19.5 kg/m<sup>2</sup> VANDEX CRS REPAIR MORTAR 05 (dry weight) resp. approx. 22 kg/m<sup>2</sup> VANDEX CRS REPAIR MORTAR 05 (wet mix) is required to produce a layer of 10 mm thickness.

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**Packaging** 25-kg-PE-lined paper bags

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

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**Technical Data**

Appearance	grey powder
Bulk density	approx. 1.65 kg/l
Density of wet mix	approx. 2.2 kg/l
Compressive strength	45 N/mm <sup>2</sup>
Bending tensile strength	10 N/mm <sup>2</sup>
Adhesive strength	1.8 N/mm <sup>2</sup>
Modulus of elasticity	38'000 N/mm <sup>2</sup>
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.	

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**Health and Safety** VANDEX CRS REPAIR MORTAR 05 contains cement. Irritating to eyes and skin. 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. Provide good ventilation if inside. 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 REPAIR, 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: vandex@vandex.com www.vandex.com

PRODUCTION AND LOCAL SALES:  
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: vandex@vandex.de www.vandex.de

UK SALES:  
SAFEGUARD EUROPE LTD  
Redkln Close, Horsham, West Sussex, RH13 5QL, UK  
Phone: +44 (0)1403 210204, Fax: +44 (0)1403 217529  
Website: www.safeguardeurope.com