

Cementitious, Polymer Modified Repair Mortar

- **1 component**
- **high compatibility with concrete**
- **excellent workability**

Product Description

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

Surface Preparation

Using standard techniques such as chiselling, 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.

Mixing

Mechanically mix 25 kg of VANDEX CRS REPAIR MORTAR 05 with 3.0–3.5 litres (1 kg + 120–140 ml) of water for 3–5 minutes:

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

Application

VANDEX CRS REPAIR MORTAR 05 may be trowelled or sprayed. Depending on temperature, the pot-life is approx. 45 to 60 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.

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.

Consumption Approx. 18 kg/m² VANDEX CRS REPAIR MORTAR 05 (dry weight) resp. approx. 20 kg/m² VANDEX CRS REPAIR MORTAR 05 (wet mix) is required to produce a layer of 10 mm thickness.

Packaging 25-kg-PE-lined paper bags

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

Technical Data

Appearance	grey powder
Density of wet mix	approx. 2 kg/l
Compressive strength 28 d	> 40 N/mm ²
Bending tensile strength 28 d	> 8 N/mm ²
Adhesive strength 28 d	> 1.5 N/mm ²
Modulus of elasticity 28 d	> 25–30'000 N/mm ²

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 CRS REPAIR MORTAR 05 contains cement.
Irritating to skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. 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 and eye/face protection. 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.



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