

Cementitious, Lightweight Repair Mortar

- **specially formulated for overhead application**
- **1 component**
- **excellent workability**
- **environmentally friendly packaging**

Properties

Because of its light weight, VANDEX CRS REPAIR MORTAR HB is especially suited for overhead repairs of larger damaged areas. When cured, VANDEX CRS REPAIR MORTAR HB has the same properties as a cement mortar or lightweight concrete (refer to Technical Data).

Surface Preparation

The substrate must be sound and clean. Bitumen oil, grease, paint etc. must be removed. Strip or sandblast all surface contaminations, laitance and weak particles.

Prior to the application of VANDEX CRS REPAIR MORTAR HB, dampen the repair area; the substrate should be damp but not wet at the time of application.

Mixing

Mix 20 kg of VANDEX CRS REPAIR MORTAR HB with 3–3.5 litres of clean water for at least 3–5 minutes, using a slow speed mixer. Following a brief stiffness, stir once more. Do not add more water.

Thoroughly mix the content of the entire bag before using partial quantities of the dry mortar. When mixing large quantities, a suitable slow rotating, mechanical mixer should be used. Depending on temperature the potlife is approx. 30 minutes.

Contains lightweight aggregates. Whenever possible mix whole bags to avoid segregation.

Application

VANDEX CRS REPAIR MORTAR HB may be trowelled or sprayed on to the substrate in layer thicknesses up to 5 cm per coat. For greater thicknesses the mortar is applied in several layers.

First a scrape coat of VANDEX CRS REPAIR MORTAR HB is applied on to the moist substrate for maximum adhesion. Immediately following the scrape coat VANDEX CRS REPAIR MORTAR HB is applied to the specified layer thickness. If the batch stiffens during processing, restir, do not add water. The potlife is approx. 30 minutes.

After initial set prepare by keying the mortar application for subsequent layers. Do not use at temperatures below +5 °C or on a frozen substrate.

Curing

Immediately after application the mortar must be protected from rapid drying out due to high temperatures or strong winds, for 2–3 days, with the aid of plastic sheeting or moist burlap.

Consumption Approx. 14.5 kg/m² VANDEX CRS REPAIR MORTAR HB (dry weight) resp. approx. 17 kg/m² VANDEX CRS REPAIR MORTAR HB (wet mix) is required to produce a layer of 10 mm thickness.

Packaging 20-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
Bulk density	approx. 1.1 kg/l
Density of wet mix	approx. 1.7 kg/l
Compressive strength	> 30 N / mm ²
Bending tensile strength	> 5 N/ mm ²
Adhesive strength	1.2 N/mm ²
Modulus of elasticity (dynamic)	> 20'000 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 HB 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

