

Rapid Setting Mortar for Waterproofing and Repairing

- waterproofing and screed with single product
- for horizontal surfaces
- resistant to abrasion and deicing salts

Product Description VANDEX UNI MORTAR 2 is a cementitious, ready-mixed waterproofing and repairing mortar with hydrophobic properties, water and moisture resistant, for **horizontal** surfaces.

Areas of Application VANDEX UNI MORTAR 2 is used to repair or as top coat to concrete road surfaces, multistorey car parks, ramps and other horizontal concrete surfaces which are subject to moisture and high abrasion. It is also used for making fillets at wall-floor junctions.

Properties VANDEX UNI MORTAR 2 is applied in layers of 8 to 10 mm, in a single working cycle because of its granulometry. This material is resistant to abrasion and deicing salt and thus capable to take strong mechanical wear. Due to its composition, based on cement and quartz with graded grain-size distribution and special chemical ingredients of an inorganic nature, VANDEX UNI MORTAR 2 is waterproof (tested up to 7 bars). It is durable and resistant to frost after setting and at the same time vapour permeable.

Surface Preparation The substrate has to be rough, firm and its surface fine-pored and free from voids and large cracks. Bitumen, oil, grease or remains of paint must be removed. Dirt, soil, loose particles, form oil, cement laitance etc. have to be removed by bush hammering or sand blasting. The substrate must be well moistened until it gets a dull dampness at the time the coating is being applied.

Mixing Place 25 kg of VANDEX UNI MORTAR 2 in a clean container, add 3 - 3,75 litres of water and stir for at least 3 minutes with a mechanical mixer.

Application Pour VANDEX UNI MORTAR 2 over horizontal surfaces (max. 10 mm per layer), then compact and strike off. The operation has to be carried out speedily, because VANDEX UNI MORTAR 2 sets quickly. Do not apply at temperatures below + 5°C, or to a frozen substrate and provide suitable protection against extreme weather conditions while setting.

Consumption 2 kg VANDEX UNI MORTAR 2 / m² are required per one millimetre of layer thickness. Layer thickness of 8–10 mm corresponds to a consumption of 16–20 kg / m².

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

Aggregate state	powder
Colour	grey
Bulk density	approx. 1,8 kg/l
Setting time	1 to 2 hours
Compression strength	45 N/mm ² 28 days air storage / 20°C / 65 % relative humidity
Bending tensile strength	7 N/mm ² 28 days air storage / 20°C / 65 % relative humidity
Modulus of elasticity	4 x 10 ⁴ N/mm ² 28 days air storage / 20°C / 65 % relative humidity
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 UNI MORTAR 2 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: 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 1550
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