

Rapid Waterproofing Repair Mortar

- **after 1 hour – resistant to load**
- **waterproof at 10 mm layer thickness**
- **for horizontal and vertical application**
- **designed for use in sewers and manholes**

Product Description	VANDEX RAPID M is a cementitious, ready-mixed repair mortar resistant to water and moisture.
Areas of Application	VANDEX RAPID M is a versatile waterproofing and repairing mortar for horizontal and vertical concrete or masonry surfaces.
Properties	Due to its composition, based on cement and quartz with graded grain-size distribution, and special chemical ingredients of an inorganic nature VANDEX RAPID M is waterproof at a layer thickness of 10 mm. It is durable and resistant to frost after setting, and at the same time vapour permeable. The initial and final compressive strength of VANDEX RAPID M is excellent. The setting process is accelerated. Resulting in VANDEX RAPID M being resistant to load after 1 hour (20 °C / 65% rel. humidity). VANDEX RAPID M is resistant to domestic sewage.
Surface Preparation	The substrate to be treated must be sound and even, open-pored and its surface free from voids, large cracks or ridges. Bitumen, oil, grease, remains of paint, laitance and unsound concrete have to be removed by suitable means (e.g. water jetting, sand blasting). Thoroughly moisten the substrate, it must be damp but not wet at the time of application. Any surface water on horizontal surfaces must be removed.
Mixing	Mix 25 kg of VANDEX RAPID M with 3–3.75 litres of clean water in a clean container for at least 3 minutes to a lump-free, homogeneous consistency. Use a mechanical mixer. If the mixture starts to set do not add more water, restir to restore workability.
Application	Do not apply at temperatures below +5 °C or to a frozen substrate. VANDEX RAPID M is applied in one working cycle (e.g. with the trowel) in a layer thickness of 6–12 mm (12–24 kg/m ²). After initial hardening it can be briefly treated with a plasterer's float, or provided with a broom finish to increase the non-skid quality.
Curing	Keep damp and provide suitable protection against extreme weather conditions (e.g. rain, sun, wind, frost) while setting. Avoid contact with flowing water until 1 hour after application.
Consumption	2 kg VANDEX RAPID M/m ² are required to produce a layer thickness of 1 mm.
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. 1.65 kg/l
Setting time	approx. 15–30 min.
Compressive strength	1 h: 0.5 N/mm ² 3 h: 5.0 N/mm ² 6 h: 23.5 N/mm ² 28 days (stored in water): 36.5 N/mm ²
Bending tensile strength	28 days (stored in water): 5.5 N/mm ²
Adhesive strength	28 days: > 2.0 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 RAPID M 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.

**CONCRETE PROTECTION AND WATERPROOFING**

HEADOFFICE AND INTERNATIONAL SALES:
VANDEX INTERNATIONAL LTD
P.O. Box, CH-4501 Solothurn/Switzerland
Phone: +41 32 626 36 36, Fax +41 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 4151 89 15-0, Fax +49 4151 89 15 50
E-mail: info@vandex.de www.vandex.de

