

## Rapid Waterproofing Plugging Compound

- **2 minutes setting time**
- **stops flowing water**
- **installation of pipes in manholes**
- **designed for use in sewers and manholes**

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### Product Description

A cementitious, ready-mixed, rapid setting compound to stop water and moisture ingress.

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### Areas of Application

VANDEX RAPID 2 can be used internally or externally as a waterproof plugging mortar or where rapid setting and early strength gain is required:

- Plugging water leaks and seepage
- Sealing leaking pipes
- Sealing leaking cracks
- Sealing wet surfaces
- Plugging leaks in earthenware pipes
- Caulking segment joints in manholes
- Fixings in water structures where immediate use is required
- Installation of steel elements in concrete or masonry
- Erosion resistant shoring of canal sealing
- Underwater work

VANDEX RAPID 2 can be used on the following substrates:

- Concrete
- Masonry
- Earthenware
- Cast iron pipes
- Plastics pipes
- Stone

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### Properties

VANDEX RAPID 2 has the following physical properties:

- Stops water flow
- Sets in approx. 2 minutes after mixing
- Durable, no shrinkage
- Can be used underwater
- Can be mixed with water or used dry
- Easy application
- Packaged in easy to use, resealable containers

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### Surface Preparation

The substrate must be clean, sound and free of any surface contamination. Leaks must be cut out back to sound material, leaving an appropriate chase for receiving the VANDEX RAPID 2.

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## Mixing

Mix 1 kg VANDEX RAPID 2 and 0.16–0.22 l of clean water to a stiff plastic consistency. After mixing setting in about 2 minutes. In cold weather, use lukewarm water. In higher temperatures, use cold water.  
To avoid wastage, only small quantities of VANDEX RAPID 2 should be mixed.

## Application

- After mixing, apply the VANDEX RAPID 2 to the appropriate area immediately. Work the mixture well into the area and then hold firmly in place for about 1–2 minutes (Wear rubber gloves).
  - Maintain pressure without disturbing the material, until it has set.
  - Remove excess material.
  - After lightly prewetting apply a normal Vandex waterproofing coating.
- In certain circumstances VANDEX RAPID 2 may be applied as a dry powder.

## Curing

Avoid strong mechanical load 1 hour after application. Provide suitable protection from extreme weather conditions (e.g. rain, sun, wind, frost) while setting.

## Consumption

Installation of a 30 cm diameter pipe requires 2–3 kg.

## Packaging

15-kg-plastic, resealable buckets.

## Storage

When stored in a dry place in unopened, undamaged original packaging, shelf life is 6 months.

## Technical Data

Aggregate state	powder
Colour	grey
Bulk density	approx. 1.4 kg/l
Components	1 component
Application temperature	+5 °C to +25 °C (mixing water and substrate temperatures)
Setting time	about 2 minutes (after mixing)
Compressive strength (10 °C)	1 h: 4.0 N/mm <sup>2</sup> 6 h: 6 N/mm <sup>2</sup> 24 h: 14 N/mm <sup>2</sup> 28 days (stored in water): 40.0 N/mm <sup>2</sup>
Bending tensile strength (10 °C)	28 days (stored in water): 8.0 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.

## Health and Safety

VANDEX RAPID 2 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 (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

