

Application Guidelines

Related Product Information

- Data Sheet & Material Safety Data Sheet:
VANDEX QUICKBINDER

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1. Preparation of Substrate

The substrate must be clean, sound and free of any surface contamination. Localised leaks must be cut back to sound material, leaving an appropriate chase for receiving the mix of VANDEX QUICKBINDER and VANDEX SUPER.

2. Climatic Conditions

Do not apply VANDEX QUICKBINDER with VANDEX SUPER at temperatures below +5 °C (40 °F) or to a frozen substrate.

3. Mixing and Application Methods

3.1 Water penetration / Moist surface

When the source of water penetration cannot be located the entire moist surface will have to be treated. Clean all substrates to receive treatment. Algae growth, remains of paint, oil, tar, etc. must be removed by suitable means. Remove all loose particles. Extremely smooth surfaces must be roughened. Just prior to application remove as much water as possible from the surface to be treated (by relevant means). Make 1:1 dilution of VANDEX QUICKBINDER and water and prepare a slurry by mixing two parts of VANDEX SUPER with 0.8 parts of the diluted VANDEX QUICKBINDER solution (by volume).

Immediately apply a covering layer of the slurry over the surface by means of a masonry brush. Mix only small portions at a time to be used before the mixture sets. Where severe leaks occur through cracks, joints, shutter-tie holes etc. the plugging technique should be used.

3.2 Leaking construction joints

Chase out leaking joints to sound concrete (min. depth 50 mm). Clean the chase and remove excess water by means of a sponge. Mix 3 - 4 parts of VANDEX SUPER with one part of VANDEX QUICKBINDER (by volume) and form a 20 mm plug in the back of the chase by pressing in the mixture by hand or a brick pointing trowel. Use rubber gloves!

Once the leak has been stopped, prepare a slurry by mixing two parts of VANDEX SUPER with 0.8 parts of water (by volume) and apply a slurry coat into the chase. While the slurry is still moist fill the chase with semi-dry VANDEX UNI MORTAR 1. If heavy water ingress exists it may be necessary to insert drains (see „Plugging with drain“).

3.3 Plugging of random water leaks

1. Locate the leak in the concrete.
2. Cut back to sound concrete, to a minimum depth of 10 cm and wide enough to allow a hammer handle to be inserted. Carefully clean and wash out the chase.

3. Thoroughly mix approx. 4 parts of VANDEX SUPER to one part of VANDEX QUICKBINDER by volume to a semi-dry consistency. Stir vigorously until the mixture is homogeneous. A plug is formed in the gloved hand and is ready for use after approx. one minute. Press the plug into the hole - using for instance a hammer handle - and maintain pressure until set (at least one minute).
 4. Slurry coat the remaining part of the cavity with VANDEX SUPER.
 5. Before the VANDEX SUPER coat is completely set fill the rest of the cavity with VANDEX UNI MORTAR 1.
 6. When the mortar has set slurry coat the surface twice with VANDEX SUPER.
- Protect hands with rubber gloves!

3.4 Plugging with drain

1. Locate the leak in the concrete.
2. Cut out the leak to sound concrete - minimum depth of 15 cm and diameter approx. 10 cm. Carefully clean and wash out the cavity.
3. Prepare a VANDEX SUPER/VANDEX QUICKBINDER plug (see point 3.3 above). Insert a drain (e.g. 3/4" PVC pipe) into the cavity and press the plug into the hole around the base of the drain and maintain pressure on the plug for at least one minute.
4. Slurry coat the remaining part of the cavity with VANDEX SUPER.
5. Before the VANDEX SUPER coat is completely set fill the rest of the cavity with VANDEX UNI MORTAR 1.
6. When the VANDEX UNI MORTAR 1 has reached at least 2/3 of its final strength carefully remove the drain and plug the remaining hole as described above. In extreme cases it may be necessary to use more than one plug. When the water flow has stopped slurry coat with VANDEX SUPER and fill the rest of the hole with VANDEX UNI MORTAR 1.
7. When the mortar has set slurry coat the surface twice with VANDEX SUPER.

4. Additional Information

Tools should be cleaned with water immediately after use. Plastic containers and tools are recommended whenever possible.

5. Health and Safety

VANDEX QUICKBINDER is alkaline and may be irritant to skin and eyes. Avoid contact with skin and eyes. Wear suitable gloves and eye protection. After contact with skin, wash with plenty of water. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

For further information please refer to Material Safety Data Sheet.

The information contained herein is based on our longterm 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.