

Accelerating Agent for VANDEX SUPER

- stops water penetration
- setting time approximately 1 - 3 minutes
- used for concrete and brickwork
- clear liquid, water dilutable

Product Description

VANDEX QUICKBINDER is an alkaline liquid which accelerates the setting of VANDEX SUPER. It is water dilutable and does not contain chlorides or solvents. VANDEX QUICKBINDER may be used as supplied or diluted with water depending on the nature of use.

Areas of Application

Mixes of VANDEX QUICKBINDER and VANDEX SUPER are used for:

- curing of general water penetration
- curing of leaking construction joints
- plugging of severe leaks through cracks, joints, formtie holes, etc.

Properties

VANDEX QUICKBINDER accelerates the setting of VANDEX SUPER. The mixes are particularly suitable for stopping water penetration - even under pressure - in structures made of concrete, block or brick.

The setting time when using VANDEX QUICKBINDER with VANDEX SUPER is approx. one minute at +20° C. When using diluted VANDEX QUICKBINDER (one part VANDEX QUICKBINDER to one part water by volume) the setting time is approx. three minutes at +20° C.

Working Instructions

Preparations. 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. to 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 subject to treatment (by relevant means).

Make a 1:1 dilution of VANDEX QUICKBINDER and water and prepare a slurry by mixing 2 parts of VANDEX SUPER with 0.8 part of dilution (by volume). Immediately apply a covering layer of slurry over the surface by means of a masonry brush. Mix only small portions at a time to be used before the mixture sets.

Plugging. Where severe leaks through cracks, joints, formtie holes etc. exist the plugging technique should be used.

I) Leaking construction joints.

Chisel back leaking parts of joints to sound concrete (min. depth 50 mm). Clean the cavity 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 make a bottom filling approx. 20 mm thick by pressing in the mixture using the hands or a brick jointer. Use rubber gloves!

Following the bottom filling prepare a slurry by mixing 2 parts of VANDEX SUPER with 0.8 parts of water (by volume) and slurry coat the cavity. While the slurry is still moist fill the cavity flush with earth moist VANDEX UNI MORTAR 1. If heavy water ingress exists it may be necessary to insert drains (see „Plugging with drain“).

II) Plugging of spot water leaks.

1. Locate leakage in the concrete.
2. Cut back to sound concrete - minimum depth of 10 cm and of such diameter

- that for instance a hammer handle can enter. Carefully clean and wash out the cavity.
3. Thoroughly mix approx. 4 parts of VANDEX SUPER to 1 part of VANDEX QUICKBINDER by volume to an earth-moist consistency. Stir vigorously until the mixture is homogeneous. A plug is formed in the gloved hands 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 setting has taken place (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!

III) Plugging with drain.

1. Locate leakage 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 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.

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

Packaging

VANDEX QUICKBINDER is supplied in 1- and 10-l-plastic containers.

Storage

When stored in a frost-free place, not exposed to permanent sunlight, in unopened, undamaged original packaging, shelf life is 2 years.

Technical Data

Aggregate state	liquid
Colour	clear, colourless
Density	approx. 1,15 kg/l
pH-value	approx. 12
Other data	chloride-free
All data are averages of several tests under laboratory conditions.	

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 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.



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