

Application Guidelines

Related Product Information

- Data Sheet: VANDEX BB 75 E & VANDEX CONSTRUCTION JOINT TAPE
- Material Safety Data Sheet: VANDEX BB 75, VANDEX ELASTICIZER PK 75 & VANDEX CONSTRUCTION JOINT TAPE

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1. Preparation of Substrate

The substrate must be clean, sound and free of any surface contamination. Any unevennesses or holes must be made good.

Using standard methods such as chiseling, brushing, wet or dry sandblasting or cutting, remove all loose material, cement laitance, and any contamination back to a sound and clean concrete substrate. Dust, oil, tar, paint and grease must be removed. Smooth surfaces must be roughened.

Clean all chiselled out areas, shutter-tie holes, etc. and pre-water until the concrete is saturated. Following this, fill the areas with VANDEX UNI MORTAR 1 in layers, the number depending on the thickness to be filled.

Water leaks must be stopped in accordance with the VANDEX PLUG Application Guidelines.

2. Pre-watering

Prior to applying VANDEX BB 75 E, carefully rinse all the surfaces to be treated and pre-water with clean water.

At the time of application, the substrate should be damp but not wet. Any surface water on horizontal surfaces must be removed.

3. Mixing

Place 25 kg of VANDEX BB 75 E (dry component) in a clean container, add 10 kg of VANDEX ELASTICIZER PK 75 (liquid component) and stir for at least 3 minutes with a mechanical mixer.

When smaller quantities are required, mix in the ratio of:

2.5 kg of VANDEX BB 75 E (dry component) to 1 kg of VANDEX ELASTICIZER PK 75 (liquid component).

4. Climatic Conditions

Do not apply VANDEX CONSTRUCTION JOINT TAPE at temperatures below +5°C (40 °F) or to a frozen substrate.

5. Application Method

5.1 Apply a first coat of VANDEX BB 75 E at a rate of 0.6 kg/linear meter at least 1 cm beyond width of VANDEX CONSTRUCTION JOINT TAPE.

5.2 Position the VANDEX CONSTRUCTION JOINT TAPE, and embed both fabric edges in the VANDEX BB 75 E mix.

5.3 Overcoat VANDEX CONSTRUCTION JOINT TAPE with a second coat of VANDEX BB 75 E at a rate of 0.4 kg/linear meter and smooth the surface with a damp brush.

5.4 Finally, provide appropriate protection of the tape.

Please refer also to the Application Guidelines for VANDEX BB 75 E.

6. Consumption

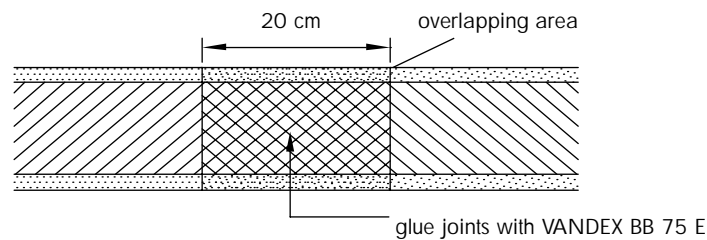
1 linear meter of VANDEX CONSTRUCTION JOINT TAPE requires approx. 1.0 kg VANDEX BB 75 E.

7. Tape Joints

7.1 Straight joints

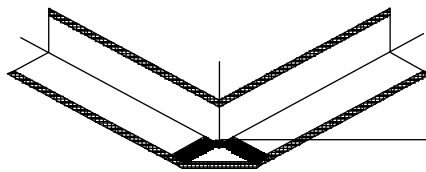
Tape joints, mitre joints and T-joints are bonded using the flexible waterproofing slurry VANDEX BB 75 E.

At least 20 cm overlap - which is glued with VANDEX BB 75 E - is required in the joint details. The overlapping fabric web must be continuous through all the fitting details.



7.2 External angle

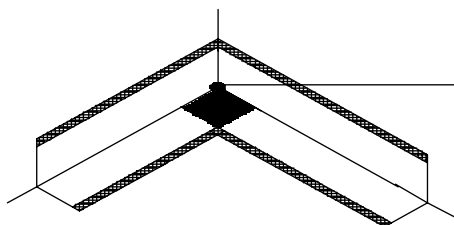
A triangular piece of VANDEX CONSTRUCTION JOINT TAPE must be cut out and bonded - using VANDEX CONSTRUCTION JOINT TAPE ADHESIVE - to the tape already in place, overlapping by 50 mm.



Corner point reinforcement: Ø 30 mm
VANDEX CONSTRUCTION JOINT TAPE bonded with
VANDEX CONSTRUCTION JOINT TAPE ADHESIVE (CYANOLIT GEL -10)

7.3 Internal angle

Cut approximately half way into the tape, form an internal cloak, and bond the overlapping areas using VANDEX CONSTRUCTION JOINT TAPE ADHESIVE (CYANOLIT GEL -10).



Corner point reinforcement: Ø 30 mm
VANDEX CONSTRUCTION JOINT TAPE bonded with
VANDEX CONSTRUCTION JOINT TAPE ADHESIVE (CYANOLIT GEL -10)

8. Curing and Protection

VANDEX BB 75 E is cement-based and will cure and harden in the same way as ordinary concrete. Setting and hardening will depend on the surrounding temperature and humidity.

After application of the second coat of VANDEX BB 75 E the joint must be protected from rapid drying out caused by high temperatures or strong winds, for 2-3 days. Use plastic foil or moist hessian.

The application should be protected from rain for a minimum period of 24 hours.

9. Backfilling

Backfilling can be carried out 3 days after applying of the VANDEX CONSTRUCTION JOINT TAPE. If there is a risk that the layer of VANDEX BB 75 E will be damaged during back-filling (from sharp-edged materials) then it must be protected by suitable means.

10. Mechanical Resistance

VANDEX CONSTRUCTION JOINT TAPE is resistant to positive and negative hydrostatic pressure within the bonding capacity of VANDEX BB 75 E.

In the event of negative pressure, cracks and joints should be routed out first and filled with VANDEX UNI MORTAR 1. Water leaks should be stopped with VANDEX PLUG.

11. Chemical Resistance

VANDEX CONSTRUCTION JOINT TAPE offers resistance to salt solutions, dilute acids and alkali solutions; it has low resistance to mineral oils, benzenes and strong solvents.

12. Health and Safety

VANDEX CONSTRUCTION JOINT TAPE: Please refer to Material Safety Data Sheet

VANDEX BB 75 E 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. Provide good ventilation if inside.

For further information please refer to Material Safety Data Sheet of VANDEX BB 75 and VANDEX ELASTICIZER PK 75 (see VANDEX BB 75 E).

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.