

Application Guidelines

Related Product Information

- Data Sheet & Material Safety Data Sheet:
VANDEX GROUT 04

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1. Preparation of Substrate

The substrate must be sound and free from dirt, grease and loose particles or layers which could weaken the bond. The prepared substrate must be open textured and well keyed.

Remove all cement laitance, shutter release agent, curing compound, loose particles, etc. by means of light, wet or dry sandblasting, a high pressure water jetting or a wire brushing.

2. Pre-watering

Prior to applying VANDEX GROUT 04, rinse carefully all the surfaces and pre-water with clean water.

Pre-water several times so that the concrete is thoroughly saturated.

When VANDEX GROUT 04 is applied, the surface should be damp but not wet. Any surface water on horizontal surface must be removed.

3. Mixing

Maximum quantity of water to be used per 25-kg-bag of VANDEX GROUT 04 is 2.9 l.

VANDEX GROUT 04 and the specified amount of gauging water is mixed using a mechanical mixer.

A lump-free uniform consistency is achieved by wetting the interior of the mixer with water before the first mix. Subsequent mixes are made by adding approximately four fifth's of the required gauging water to the powder, mixing for two minutes, and then adding the remaining water. The final mixing-time depends on the mixer, although four minutes should be considered the minimum. The mixture must exhibit a uniform, free flowing consistency.

4. Climatic Conditions

Do not apply VANDEX GROUT 04 at temperatures below +5 °C (40°F) or to frozen substrate.

5. Layer Thickness

VANDEX GROUT 04 is a cementitious, non-shrink grouting material, with a particle size ranging from 0 - 4 mm, suitable for voids ranging from 15 - 60 mm.

6. Application Methods

The uniformly mixed material is poured into the void. Grouting beneath steel or machines is usually done using previously constructed shuttering which has to be tight and non-absorbent. If the particular void is not equal sided, the VANDEX GROUT 04 has to be placed in one continuous pour through the longer side. Depending on the size of the specific space to be grouted, an additional funnel/tube may be needed to ensure that the whole space has been completely filled.

Because of the good flow characteristics of the grout, further compaction will not be necessary. As an alternative, VANDEX GROUT 04 can be placed mechanically using pumps in case of larger quantities. A high density (low void ratio) grout is achieved providing a number of ventilation holes, or slots, installed throughout the space to be grouted so that trapped air pressure does not prevent the natural flow of the grout.

7. Consumption

Calculated quantity (ready-mix mortar) per m³: 1,990 kg.

8. Curing and Protection

Curing of the exposed grout edges can be undertaken, as with all hydraulically setting cement mortars, by laying moist hessian over it, followed by polythene sheeting. When covering with polythene, it is important to avoid a heat accumulation underneath. This can be done by regular spraying with water. Curing should be for at least 5 days, and should take place as soon as possible after pouring the grout, and certainly not later than when the mortar surface starts to harden. As an alternative to the traditional curing techniques, it is possible to use curing compounds.

9. Health and Safety

VANDEX GROUT 04 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 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.



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