

Application Guidelines

Related Product Information

- Data Sheet & Material Safety Data Sheet:
VANDEX LEVELLING PLASTER

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1. Preparation of Substrate

The substrate must be sound and free of any foreign substances which could reduce the bonding of the VANDEX LEVELLING PLASTER. Any remaining plaster, render or other bond-inhibiting substances should be removed by appropriate means. Loose pointing material should be routed out and the substrate cleaned thoroughly.

VANDEX LEVELLING PLASTER is applied onto a sufficiently hardened (at least 4 hours) damp but not wet VANDEX ROUGH CAST.

2. Pre-watering

Prior to applying VANDEX LEVELLING PLASTER, carefully rinse all the surfaces to be treated and pre-water with clean water.

Pre-water several times so that the surfaces are thoroughly saturated. When VANDEX LEVELLING PLASTER is applied, the surface should be damp but not wet.

3. Climatic Conditions

Do not apply VANDEX LEVELLING PLASTER at temperatures +5 °C (40 °F) or to frozen substrate.

4. Mixing

Sprinkle the contents of one bag (30 kg) of VANDEX LEVELLING PLASTER into a bucket containing approx. 5 - 6.5 litres of clean water. Mix thoroughly with a forced action mixer for at least four minutes, ensuring the mortar is thoroughly and evenly mixed.

5. Layer Thickness

VANDEX LEVELLING PLASTER is applied in a thickness of at least 10 mm, with maximum of 20 mm per layer.

6. Application Method

VANDEX LEVELLING PLASTER is applied onto open textured and a sufficiently hardened (at least 4 hours) damp but not wet VANDEX ROUGH CAST.

VANDEX LEVELLING PLASTER can be applied manually in the specified layer thickness. Sufficient bonding to the substrate must be attainable.

For larger areas VANDEX LEVELLING PLASTER can be applied with an appropriate fine mortar spraying device. An appropriate in-line mixer has to be used in order to supply the material properly. The amount of material sprayed and the air used must be adjustable so that the optimum spray pattern can be achieved.

The nozzle diameter is approx. 10 mm, depending on the spray gun used.

The compressor performance must be at least 5 bar pressure, delivering 500 l/min. VANDEX LEVELLING PLASTER is spray applied using a circular motion with the spray nozzle held at a 90° angle to the substrate. The distance between the spray nozzle and the surface will depend on the spray gun/compressed air used. The material is then levelled with a suitable trowel. This operation increases the adhesion to the substrate. For areas in excess of 20 mm and up to 60 mm, apply in consecutive layers not exceeding 20 mm in thickness, leaving at least 4 hours between coats. Surfaces should be scratched to ensure good bonding with succeeding layers. Apply the VANDEX REFURBISHMENT PLASTER white 2 - 4 days later. If VANDEX LEVELLING PLASTER is more than 20 mm thick allow 1 extra day per additional millimeter thickness.

7. Consumption

Approx. 13.5 kg/m² per 10 mm of VANDEX LEVELLING PLASTER. Minimum plaster thickness is 10 mm.

8. Curing and Protection

VANDEX LEVELLING PLASTER 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. The application of VANDEX LEVELLING PLASTER is subject to the Plaster Guidelines in accordance with DIN 18 550: heat, frost, and high winds should be avoided during application and up to 24 hours thereafter. During this period the VANDEX LEVELLING PLASTER must be kept damp.

9. Health and Safety

VANDEX LEVELLING PLASTER 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. 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.