

## Application Guidelines

### Related Product Information

- Data Sheet & Material Safety Data Sheet: VANDEX REFURBISHMENT PLASTER white

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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 REFURBISHMENT PLASTER white. 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 REFURBISHMENT PLASTER white is applied onto VANDEX LEVELLING PLASTER or VANDEX ROUGH CAST in accordance with the relevant Application Guidelines.

### 2. Pre-watering

Prior to applying VANDEX REFURBISHMENT PLASTER white, rinse carefully 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 REFURBISHMENT PLASTER white is applied, the surface should be damp but not wet.

### 3. Climatic Conditions

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

### 4. Mixing

Sprinkle the contents of one bag (25 kg) of VANDEX REFURBISHMENT PLASTER white into a bucket containing approx. 3.75 - 5 litres of clean water. Mix thoroughly with a forced action mixer for at least 5 minutes, ensuring the mortar is thoroughly and evenly mixed.

### 5. Layer Thickness

VANDEX REFURBISHMENT PLASTER white is applied in thicknesses of not less than 10 mm, and not more than 20 mm per layer.

### 6. Application Method

VANDEX REFURBISHMENT PLASTER white is applied 2 - 4 days after preceding layers have been completed. It is trowelled or sprayed in layers of 15 - 20 mm thickness, depending on the composition of the specified refurbishment plaster system. On very damp substrates and in the case of medium to high salt contamination, generally two layers should be applied (VANDEX LEVELLING PLASTER can form the first layer). Waiting time between layers or a subsequent final layer is at least 4 hours. If the layer of VANDEX REFURBISHMENT PLASTER white exceeds a total thickness of 20 mm, allow 1 day/mm extra before applying the following layer.

VANDEX REFURBISHMENT PLASTER white can be applied manually in the specified layer thickness. Sufficient bond to the substrate must be maintained.

For larger areas, VANDEX REFURBISHMENT PLASTER white can be applied with a suitable fine mortar spraying device. An appropriate in-line mixer has to be used 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 REFURBISHMENT PLASTER white 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.

Intermediate coats must have a rough textured finish to provide a key for subsequent layers. Where the VANDEX REFURBISHMENT PLASTER white is left as a finish the surface is treated as follows. Strike and level with an aluminium straightedge, allow to set and finish with a wood float. Do not apply water to the surface.

## 7. Consumption

Approx. 12.5 kg/m<sup>2</sup> per 10 mm of thickness of VANDEX REFURBISHMENT PLASTER white. Minimum plaster thickness is 10 - 20 mm depending on the composition of the specified refurbishment plaster system.

## 8. Curing and Protection

VANDEX REFURBISHMENT PLASTER white 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 REFURBISHMENT PLASTER white 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 REFURBISHMENT PLASTER white must be kept damp.

## 9. Health and Safety

VANDEX REFURBISHMENT PLASTER white contains cement. Irritating to eyes and skin. 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.