

Premixed Mortar for Levelling Uneven Substrates and Creating Salt Inclusion Zones

- levelling plaster in accordance with WTA* Specifications 2-2-91
- provides optimum bonding for following coat of VANDEX REFURBISHMENT PLASTER white

Material

Premixed mortar, in accordance with DIN 18 557, mortar group PII pursuant to DIN 18 550, for LEVELLING recessed joints, uneven spots and fissures in masonry prior to the application of VANDEX REFURBISHMENT PLASTER white.

Areas of Application

VANDEX LEVELLING PLASTER is used for flattening uneven substrates to ensure a uniform thickness of the following refurbishment plaster coat. In cases of salt contamination, VANDEX LEVELLING PLASTER also acts as a salt inclusion matrix and therefore inhibit salt damage.

Properties

The properties of VANDEX LEVELLING PLASTER have been adapted to VANDEX REFURBISHMENT PLASTER white.

Although slightly hydrophobic, VANDEX LEVELLING PLASTER has sufficient suction to ensure excellent bonding with the succeeding VANDEX REFURBISHMENT PLASTER white coats.

The high void content of VANDEX LEVELLING PLASTER means it has a very good capacity for restraining potentially harmful salts contained in the substrate. (See the VANDEX ROUGH CAST data sheet for dealing with salts.)

Surface Preparation

VANDEX LEVELLING PLASTER is applied onto a sufficiently hardened (at least 4 hours) damp but not wet VANDEX ROUGH CAST in a thickness of a minimum of 10 mm and a maximum of 20 mm per layer.

Mixing

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

Application

VANDEX LEVELLING PLASTER can be applied by trowelling or spraying.

For areas in excess of 20 mm and up to 60 mm, apply in coats no 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 millimetre.

Remarks

- a) VANDEX LEVELLING PLASTER is applied onto the open textured coat of VANDEX ROUGH CAST.
- b) The application of VANDEX LEVELLING PLASTER is subject to the Plaster Guidelines in accordance with DIN 18 550: heat, frost and high winds must be avoided during application and up to 24 hours thereafter. During this period, the VANDEX LEVELLING PLASTER must be kept damp.
- c) Protect glass, woodwork, or any other built - in object against contamination.
- d) If contamination occurs, clean affected surfaces immediately.
- e) Clean all tools and equipment with water, immediately after use.
- f) No special precautions are necessary for disposing of hardened material.

Consumption

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

Packaging

PE-lined paper bag of 30 kg.

Storage

When stored in a dry place in unopened, undamaged original packaging, shelf life is 6 months.

Technical Data

Appearance Working temperature (°C) Working time (min)	grey powder > 5 25 - 40	
Fresh Mortar Consistency (mm) Density (kg/l) Void content (% vol.)	150 approx. 1.35 28	WTA Spec. 2-2-91 acc. to manufacturer > 20
Hardened Mortar Density (kg/l) Water vapour resistance factor Bending tensile (N/mm ²) Compressive strength (N/mm ²) Capillary water absorption (kg/m ²) Water penetration depth (mm) Porosity (% vol.)	1.3 11 1.9 5.5 2.0 5.5 45.5	- < 18 - ≥ refurbishment plaster > 1 < 5 > 45
All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity and suction of substrate may affect these values.		

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 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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