

## **Premixed Mortar for Plastering damp and/or Salt Contaminated Interior and Exterior Walls**

- **refurbishment plaster according to WTA\* Specifications 2-2-91**
- **prevents salty efflorescence and spalling of plaster**
- **creates a dry surface (no condensation)**
- **frost- and salt- resistant**

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### **Material**

A premixed white mortar in accordance with DIN 18 557, mortar group PII pursuant to DIN 18 550, providing a hydrophobic, aerated plaster with a high vapour diffusion, for building refurbishment.

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### **Areas of Application**

VANDEX REFURBISHMENT PLASTER white provides a durable plaster for damp and salt contaminated masonry. It is ideal for refurbishment of basements, vaults, and old structures. It produces a dry, efflorescent free surface.

Because of its lime content, VANDEX REFURBISHMENT PLASTER white is ideally suited to plaster refurbishment in historic buildings. It is equally suitable for use on damp areas in both new and existing structures. It has thermal insulation properties and is effective in reducing or eliminating condensation. VANDEX REFURBISHMENT PLASTER white is ideal for use after insertion of a damp proof course.

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### **Properties**

VANDEX REFURBISHMENT PLASTER white:

- is a lime - cement plaster (mortar group PII) with low crack susceptibility,
- is a hydrophobic aerated plaster with high water vapour diffusion,
- does not support capillary movement of water, so is both salt and damp resistant,
- creates a salt free, dry and condensation free surface
- permanently prevents salt efflorescence, bubbling of paint and spalling of plaster and salt,
- is frost- and salt-resistant,
- allows damp substrates to dry,
- is suitable for trowel or spray application.

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### **Surface Preparation**

VANDEX REFURBISHMENT PLASTER white is applied onto VANDEX LEVELLING PLASTER or VANDEX ROUGH CAST. (See appropriate data sheets).

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### **Mixing**

Sprinkle the contents of one bag (30 kg) of VANDEX REFURBISHMENT PLASTER white into approx. 4.5 - 6 litres of clean, cold water. Mix thoroughly with a forced action mixer for at least 5 minutes, ensuring the mortar is thoroughly and evenly mixed.

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### **Application**

VANDEX REFURBISHMENT PLASTER white is applied 2 - 4 days after preceding layers have been completed . It is troweled or sprayed in layers of a minimum of 15 - 20 mm thickness depending on the composition of the specified refurbishment plaster system. VANDEX REFURBISHMENT PLASTER white is applied in a thickness of a minimum of 10 mm and a maximum of 20 mm per layer. On very damp substrate and in case of medium to high salt contamination generally two layers should be applied (VANDEX LEVELLING PLASTER can form the first layer). Waiting time between coats or a subsequent finish coat is at least 4 hours. In case the VANDEX REFURBISHMENT PLASTER white exceeds a total thickness of 20 mm, allow 1 day/mm extra before applying the following coat.

Intermediate coats must have a rough textured finish to provide a key to subsequent

layers. In case the VANDEX REFURBISHMENT PLASTER white is left as a finish the surface is treated as follows: Strike and level with aluminium straightedge, allow to set and finish with a wood float. Do not apply water to the surface. VANDEX REFURBISHMENT PLASTER white reaches its final properties when fully dried.

## Remarks

- a) The application of VANDEX REFURBISHMENT PLASTER white 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 REFURBISHMENT PLASTER white must be kept damp.
- b) In case of rising damp, install a damp proof course (See working guidelines for VANDEX INJECTION MORTAR and VANDEX DPC INJECTION No.2)
- c) Protect glass, woodwork, 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. 12.5 kg/m<sup>2</sup> per 10 mm of thickness of VANDEX REFURBISHMENT PLASTER white. Minimum plaster thickness is 15 - 20 mm depending on the composition of the specified refurbishment plaster system.

## 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	white powder	
Working temperature (°C)	> 5	
Working time (min)	25 - 40	
<b>Fresh Mortar</b>		<b>WTA Spec. 2-2-91</b>
Consistency (mm)	165	170 ± 5
Density (kg/l)	approx. 1.25	
Void content (% vol.)	34	> 25
Water retention (%)	86.5	> 85
Workability (mm)	13	reduction < 30
<b>Hardened Mortar</b>		
Density (kg/l)	1.30	< 1.40-
Water vapour resistance factor	8	< 12
Bending tensile (N/mm <sup>2</sup> )	1.0	-
Compressive strength (N/mm <sup>2</sup> )	2.3	≥ 1.5 - 5
Compr./Bend. tensile strength ratio	2.3	> 3
Capillary water absorption (kg/m <sup>2</sup> )	0.6	> 0.3
Water penetration depth (mm)	1.5	< 5
Porosity (% vol.)	48	> 40
Salt resistance	passed	passed
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 REFURBISHMENT PLASTER 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.



**WATERPROOFING, BUILDING PROTECTION AND REFURBISHMENT**

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