

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

* International Association for the Science and Technology in Maintenance of Structures and Protection of Monuments

Reaction to fire	class A1	CE
Water absorption	≥ 0.3 kg/m ² after 24 h	
Water vapour permeability	μ ≤ 15	Vandex Isoliermittel-GmbH Industriestr. 21 DE-21493 Schwarzenbek 06 077 EN 998-1:2010/ZA.1 Renovation mortar for rendering/plastering of humid and/or salt containing internal and external walls, ceilings, columns and partitions
Adhesion	0.25 N/mm ² fracture pattern B	
Thermal conductivity (tab. mean value; P = 50%)	λ _{10, dry, mat} ≤ 0.45 W/(mK)	
Durability (against freeze/thaw)	evaluation based on provisions valid in the intended place of use of the mortar	

PRODUCT DESCRIPTION

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.

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.

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

SURFACE PREPARATION

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

MIXING

Sprinkle the contents of one bag (25 kg) of VANDEX REFURBISHMENT PLASTER white into approx. 4,5-5,0 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.

APPLICATION

VANDEX REFURBISHMENT PLASTER white is applied 2-4 days after preceding layers have been completed, it is trowelled or sprayed. VANDEX REFURBISHMENT PLASTER white shall be applied in two layers. First layer shall be applied in a layer thickness of 10-15mm. When the first layer is able to take the load a second layer shall be applied in a thickness of 10 mm. 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

- 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.
- In case of rising damp, install a damp proof course (See working guidelines for VANDEX IC and VANDEX INJECTION MORTAR [VIM])
- Protect glass, woodwork, built-in object against contamination.
- If contamination occurs, clean affected surfaces immediately.
- Clean all tools and equipment with water, immediately after use.
- No special precautions are necessary for disposing of hardened material.

CONSUMPTION

Approx. 12.5 kg/m² per 10 mm of thickness of VANDEX REFURBISHMENT PLASTER white.

PACKAGING

25 kg PE-lined paper bag

STORAGE

When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.

HEALTH AND SAFETYPlease refer to Safety Data Sheet on www.vandex.com.

TECHNICAL DATA			
Appearance		white powder	
Working temperature	[°C]	>5	
Working time	[min.]	25-40	
Fresh mortar			WTA Spec. 2-2-91
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
Hardened mortar			
Density	[kg/l]	1.3	<1.4
Water vapour resistance factor		8	<12
Bending tensile strength	[N/mm ²]	1.0	-
Compressive strength	[N/mm ²]	2.3	≥ 1.5-5
Compr./Bend. tensile strength ratio		2.3	<3
Capillary water absorption	[kg/m ²]	0.6	>0.3
Water penetration depth	[mm]	1.5	<5
Porosity	[% vol.]	48	>40
Salt resistance		passed	passed
Further data: please refer to CE marking			

All data is averaged from several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

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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