ROUGH CAST

Premixed Mortar for Providing Bonding Bridges for the Vandex Refurbishment Plaster System

- *rough cast in accordance with WTA* Specifications 2-9-04/D*
- *provides good bonding properties even after long periods of time*

PRODUCT DESCRIPTION
Premixed mortar, in accordance with DIN 18 557, mortar group PIII pursuant to DIN 18 550, to improve bonding of the Vandex Refurbishment Plaster System onto mineral building material surfaces.

AREAS OF APPLICATION
VANDEX ROUGH CAST serves as bonding bridge between building material surfaces and VANDEX LEVELLING PLASTER or VANDEX REFURBISHMENT PLASTER white for interior and exterior application.

PROPERTIES
VANDEX ROUGH CAST serves as bonding bridge on various types of masonry and also serves to even out suction on surfaces consisting of differing types of masonry. It can be coated over even after long periods of time.

SURFACE PREPARATION
Remove existing plaster or any coatings or loose particles which would inhibit bonding, down to bare masonry (in the case of rising damp, up to 1 m above signs of visible damp or salt contamination). Remove any other foreign bodies from within the structure that could cause disruption, such as timber or steel. Rake out loose mortar joints to a depth of approximately 20 mm. Thoroughly clean the walls by wire brush or other suitable means (do not use water) and immediately sweep up resulting debris from the floor before it can cause any further contamination. Protecting the floor with polythene prior to preparation of the wall is recommended.

SALT TREATMENT
If the structure is contaminated with salts:
1. For nitrate contamination, apply VANDEX MINERALIT in accordance with the VANDEX MINERALIT standard specification.
2. For sulphate contamination, mix 6 kg of VANDEX ANTI SULPHATE with 1 bag (30 kg) of VANDEX ROUGH CAST.

MIXING
Using a suitable forced action mixer. Sprinkle the contents of one bag (30 kg) of VANDEX ROUGH CAST in to approximately 6.5 litres of clean, cold water. Water consumption when using a suitable mixing machine is approx. 220 l/h. Mix intensively until attaining the requested application consistency (with forced action mixer). Mixing time at least 3 minutes. To eliminate the risk of segregation, mix only whole bags.

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

APPLICATION
VANDEX ROUGH CAST can be applied by casting or spraying onto a damp, but not wet, substrate. Free surface water must be removed. VANDEX ROUGH CAST is applied as an open textured layer, covering approximately 50% of the surface on average. Do not fill joints with VANDEX ROUGH CAST. The layer thickness must not exceed 5 mm. Leave the VANDEX ROUGH CAST surface rough, as cast or sprayed.
Leave the VANDEX ROUGH CAST until it has hardened sufficiently to accept the following plaster coats (at least 4 hours). Ensure the surface is damp (not wet) when applying further coats.

REMARKS
a) Hardened VANDEX ROUGH CAST is vapour permeable
b) The application of VANDEX ROUGH CAST is subject to the Plaster Guidelines in accordance with DIN 18 550: heat, freezing, high winds should be avoided during application and up to 24 hours thereafter. During this period the VANDEX ROUGH CAST 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. 5 kg/m² for 5 mm of thickness of VANDEX ROUGH CAST, when applied open textured covering only 50 % of the surface.

PACKAGING
30 kg PE-lined paper bag

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

HEALTH AND SAFETY
VANDEX ROUGH CAST contains cement and calcium hydroxide. Irritating to skin. Risk of serious damage to eyes. – Keep out of reach of children. Do not breathe dust. 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 and eye/face protection. – For further information please refer to Material Safety Data Sheet on www.vandex.com.

TECHNICAL DATA			WTA Spec. 2-9-04/D
Appearance		grey powder	
Working temperature	[° C]	>5	
Working time	[Min.]	25–40	
Density, hardened	[kg/l]	1.8	
Compressive strength	[N/mm²]	15.6	
Bending tensile strength	[N/mm²]	4.4	
Adhesive strenght on concrete	[N/mm²]	2.2	
Water penetration depth	[mm]	after 1 h: 5.5 after 24 h: 20.0	>5 thickness of test specimen

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

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An RPM Company

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