Technical Data Sheet

VANDEX UNI MORTAR 2

Rapid setting mortar for waterproofing and repairing

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Description

VANDEX UNI MORTAR 2 is a cementitious, ready-mixed waterproofing and repairing mortar.



Features and Benefits

- Waterproofing and screed with single product
- For horizontal concrete surfaces
- Resistant to abrasion and de-icing salts

Usage Purpose

VANDEX UNI MORTAR 2 is applied in layers of 6 to 12 mm in a single working cycle. This material is resistant to abrasion and de-icing salt and thus capable to take strong mechanical wear. Due to its composition, based on cement and quartz with graded grain-size distribution and selected additives, VANDEX UNI MORTAR 2 is waterproof. It is durable and resistant to frost after setting and at the same time vapour permeable.

Areas Of Application

- Substrate: concrete
- waterproofing and protection against water and moisture
- trafficable topping for car parks, garages, ramps and halls
- coatable waterproofing screed for horizontal concrete surfaces
- waterproof fillets for wall-floor junctions

Packaging

25 kg PE-lined paper bag.

Storage

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

Certificates & Approvals

EN 1504-3:2005 ZA.1a CC repair mortar for non-structural repair.

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Technical Characteristics

Appearance		Grey powder
Aggregate Size dmax	[mm]	2
Bending Tensile Strength At 28d	[MPa]	approx. 7
Capillary Absorption	[kg/m².h0.5]	0.17
Compressive Strength At 28d	[MPa]	approx. 40
Density Of Wet Mix	[kg/l]	approx. 2.2
Further Data		refer to CE mark
Setting Time At 20°C	[h]	approx. 2.3
Static Modulus Of Elasticity At 28d	[GPa]	approx. 33
Workability At 20°C	[min]	approx. 30

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.

Substrate Preparation

The substrate to be treated must be sound and even, open-pored, roughened and its surface free from voids, large cracks or ridges. Any adhesion reducing substances like bitumen, oil, grease, remains of paint or laitance must be removed by suitable means. Water leaks must be stopped e.g. with VANDEX PLUG. Thoroughly moisten the substrate, it must be damp but not wet at the time of application. Any surface water on horizontal surfaces must be removed.

Mixing

Mix 25 kg of VANDEX UNI MORTAR 2 with 3.25–4 litres of tap water in a clean container for at least 3 minutes to a lump-free, homogeneous consistency. Use a mechanical mixer. For use as mortar to fill reglets: Mix 25 kg of VANDEX UNI MORTAR 2 with 2,8 to 2,9 litres of tap water to mortar consistency.

Application

VANDEX UNI MORTAR 2 is usually applied manually. Apply a minimum of 6 mm (approx. 12 kg/m²) and a maximum of 12 mm (approx. 24 kg/m²) in one working cycle. For maximum adhesion first apply VANDEX UNI MORTAR 2 to the substrate using a stiff broom or brush. Pour then the product over the horizontal surface, compact and strike off. The operation has to be carried out speedily because VANDEX UNI MORTAR 2 sets quickly. Do not apply at temperatures below +5 °C or to a frozen substrate.

Consumption Text

Approx. 2 kg/m² VANDEX UNI MORTAR 2 is required to produce a layer thickness of 1 mm.

Pressureless water: 12–16 kg/m², 6–8 mm thickness
Water under pressure: 16-24 kg/m², 8-12 mm thickness

Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

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Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

Health And Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Curing

Keep damp for at least 5 days and provide suitable protection against extreme weather conditions (e.g. sun, wind, frost) while setting. The freshly treated surfaces should be protected from rain for a minimum period of 24 h.

Certification

CE

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