Technical Data Sheet

VANDEX BB 75

Grey waterproofing slurry

03-11-2026 / V 2

Description

VANDEX BB 75 is a cementitious, ready-mixed surface waterproofer. It is also suitable as corrosion protection for reinforcing steel.



Features and Benefits

- waterproofing against active or passive water pressure
- for concrete and masonry
- efflorescence-free
- approved for potable water
- applicable by spray equipment
- suitable also for corrosion protection for reinforcing steel
- according to DVGW W300-5 (A):08-2020, Type 2
- according to XTWB DVGW W300-4 (A):10-2014
- Low porosity

Usage Purpose

Owing to its composition of cement, quartz with graded grain-size distribution and selected additives, VANDEX BB 75 is waterproof. It can be employed against active and passive water pressures. The initial and final bonding capability of VANDEX BB 75 is excellent, making it suitable to be applied to horizontal as well as vertical surfaces. It is durable, resistant to frost and heat after setting, but all the same permeable to vapour. VANDEX BB 75 is tested for use in contact with drinking water. Applied as corrosion protection, it does not only enhance rebar corrosion protection, but also improves adhesion to subsequently applied Vandex repair and coating mortar. It forms a hard coating, is resistant to frost and de-icing salts, allows vapour diffusion and reduces CO_2 penetration.

Areas Of Application

− Substrates: concrete and masonry
− active or passive waterproofing and protection against water and moisture
− foundations, slabs, retaining walls, etc.
− drinking water structures
− corrosion protection for reinforcing steel

Packaging

25 kg PE-lined paper bag

Storage

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

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Certificates & Approvals

EN 1504-3:2005/ZA.1a CC fine mortar for structural repair
EN 1504-7:2006/ZA.1a CC fine mortar as reinforcement corrosion protection
BBA, DIN 18195 AbP (Technical approvals for use in construction) Ü
Potable water, DWI Listed, Hygenic certificates, DVGW W300-5

Technical Characteristics

Appearance		Grey powder VANDEX BB 75 is not a decorative material.
Modulus Of Elasticity	DVGW W300-5:2020 At 28d [GPa]	≥ 20 at 10°C
Compressive Strength	DVGW W300-5:2020 At 28d [MPa]	≥ 45 at 10°C
Bending Tensile Strength	DVGW W300-5:2020 At 28d [MPa]	≥ 6.5 at 10°C
Adhesion Strength	DVGW W300-5:2020 At 28d [MPa]	≥ 1.5 at 10°C
Bending Tensile Strength At 28d	[MPa]	approx. 6
Capillary Absorption	[kg/m²·h 0.5]	0.06
Compressive Strength At 28d	[MPa]	approx. 40
Density Of Wet Mix	[kg/l]	approx. 2.0
Exposure Class	EN 206-1 : 2013	German Drinking Water Ordinance: XTWB Carbonation: XC1, XC2, XC3, XC4 Chlorides without seawater: XD1, XD2, XD3 Chlorides from seawater: XS1, XS2, XS3 Frost attack with/without deicing agent: XF1, XF2, XF3, XF4
Further Data		refer to CE marking
Setting Time At 20°C	[h]	5 to 8
Static Modulus Of Elasticity At 28d	[GPa]	approx. 28
Total Porosity At 90 Days	DVGW W300-5	≤ 12 Vol.% at 10°C
Workability At 20°C	[min.]	approx. 45

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.

Brick- and blockwork substrates: Any remaining plaster, render or other substances that could inhibit bonding must be removed back to the substrate. Gypsum, remains of wood or other foreign material must be removed by appropriate means. Loose pointing must be routed out and the substrate cleaned thoroughly.

For application as corrosion protection: Exposed reinforcing steel should be cleaned and the resi-due removed by sandblasting or by using other suitable tools (be sure to achieve SA 2½ clean rating in accordance with DIN EN 12944-4 resp. ISO 8501-1). Remove concrete surrounding the corroded steel to a sound substrate.
Steel and concrete may be moist.

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Mixing

Mix 25 kg of VANDEX BB 75 with 4.5–6 litres of tap water in a clean container for at least 3 minutes to a lump-free, homogeneous consistency. Use a mechanical mixer.

Application

VANDEX BB 75 is applied with brush, trowel or suitable spray equipment.

A maximum of 2 mm (approx. 4 kg/m²) can be applied in one working cycle. In most cases the application of more than one coat is recommended; please refer to relevant specification. It is recommended to apply the next coat whilst the previous coat is still damp on the surface. The previous coat must not be damaged during application of the following coat. The waiting time before applying the following coat depends on local climatic conditions such as humidity, temperature, etc. The previous coat is textured by suitable means whilst still plastic to form a key. To maintain workability of the material do not add water, simply re-stir the mixture.

Brush application: Ensure that all cavities in the substrate are filled.

Trowel application: First a scratch coat is applied for maximum adhesion to the substrate, working from the bottom up. Ensure that all cavities in the substrate are filled in order to exclude any trapped air.

Spray application: VANDEX BB 75 can be applied with a suitable fine mortar spraying device. For maximum spray pattern it should be possible to adjust volume of product as well as air pressure and volume. The nozzle diameter is approx. 6 mm.

The first layer of Vandex is applied in a circular motion with the spray nozzle held at a 90° angle to the substrate. The material is then flattened and keyed. The final layer can be left as a spray finish or treated to a specified finish.

Application as corrosion protection: Using brush or roller, carefully apply at least two coats of VANDEX BB 75 with no breaks on prepared steel. Each subsequent coat may be applied after about 1 hour on sufficiently hardened first coat. Depending on temperature, use within 45 to 60 minutes.

Do not apply at temperatures below +5 °C, or to a frozen substrate.

Consumption Text

Pressureless water: 3–4 kg/m², 1.5–2 mm thickness
Water under pressure: 4–6 kg/m² (depending on water pressure), 2–3 mm thickness

Corrosion protection: Approx. 2 kg/m² per layer.

Note: Substrate and application conditions have to be observed. Depending on surface roughness, consumption may vary.

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.

Filling of Water Retaining Structures

Filling can take place when the surface treatment has hardened sufficiently, usually not less than 14 days after application. However, if earlier filling is specifically required, filling may be considered after not less than 7 days, provided the surface is thoroughly checked for hardness. A careful cleaning and disinfection prior to the first operation is essential. Observe national laws and regulations.

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.

Plastering Coating

Surfaces treated with Vandex products which are to be coated or painted should be left to cure for at least 28 days. When a plaster or render finish is required on top of a Vandex treatment it is essential to apply a rough cast of sand and cement on the final Vandex coat while it is still tacky. On hardened Vandex surfaces apply an appropriate bonding agent before rendering. Coatings on top of a Vandex treatment have to be alkali resistant. Decorative coatings applied on the passive water pressure side are recommended to be water vapour permeable.

Certification

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