

Waterproofing Slurry

- in-depth waterproofing and protection
- permanent active
- applied to pressure or non-pressure concrete face
- approved for potable water contact

Compressive strength	class R3 ≥ 25 MPa	CE 0761 Vandex Isoliermittel-GmbH Industriestr. 21 DE-21493 Schwarzenbek 14 003 EN 1504-3:2005/ZA.1a CC fine mortar for non-structural repair (based on hydraulic cement)
Chloride ion content	≤ 0.05 %	
Adhesive bond	≥ 2.0 MPa	
Carbonation resistance	passed	
Modulus of elasticity	≥ 20 GPa	
Thermal compatibility		
Part 4: Dry thermal cycling	< 0.8 MPa	
Capillary absorption	≤ 0.5 kg/m ² · h ^{0.5}	
Reaction to fire	class A1	
Dangerous substances	complies with 5.4	

PRODUCT DESCRIPTION

VANDEX PREMIX is a surface-applied material which waterproofs and protects concrete in-depth. It is used in conjunction with VANDEX SUPER for general waterproofing purposes or on its own when treating concrete blockwork.

It consists of grey Portland cement, specially treated quartz sand and fillers, and a compound of active chemicals. VANDEX PREMIX is supplied in powder form in 25 kg bags and only needs the addition of water prior to application.

AREAS OF APPLICATION

All concrete surfaces to be backfilled, basements, retaining walls, underground car parks, foundations, storage tanks, etc. (used in conjunction with VANDEX SUPER).

Basement retaining walls in hollow concrete blockwork or lightweight concrete blockwork, (when used in conjunction with VANDEX SUPER and sand/cement render). Concrete blockwork walls above ground.

PROPERTIES

VANDEX PREMIX contributes to the waterproofing effect of VANDEX SUPER and provides additional protection where mechanical abrasion of the treated surface is likely, e.g. during backfilling. Used alone, VANDEX PREMIX is a particularly suitable slurry for filling air bubbles and voids in weak and porous surfaces.

SURFACE PREPARATION

All concrete to be treated must have a clean surface and an open capillary system.

Remove laitance, dirt, grease, etc. by means of high pressure water jetting or wet sandblasting. Faulty concrete such as cracks, honeycombing, etc. must be chased out, treated with Vandex and made good. Surfaces must be carefully prewatered prior to the Vandex application. The concrete surface must be damp but not wet.

MIXING

VANDEX PREMIX is mechanically mixed with clean water to a consistency like thick oil paint. Approximate mixing ratio is 0.6-0.8 parts of water to 2.0 parts of powder, by volume. Mix only as much material as can be used within 30 minutes and stir mixture frequently. Do not add more water if the mixture starts to set, but stir again to improve workability.

APPLICATION

VANDEX PREMIX is normally applied in one coat according to specification by masonry brush or appropriate power spray equipment. When overcoating a VANDEX SUPER application apply the VANDEX PREMIX coat whilst the VANDEX SUPER coat is still „green“.

Post treatment

The treated areas should be kept damp for a period of five days and must be protected against direct sun, wind and frost, by covering with polythene sheeting, damp hessian or similar.

Notes

Do not apply VANDEX PREMIX at temperatures below +5 °C.

VANDEX PREMIX cannot be used as an additive to concrete or plasters.

CONSUMPTION

Concrete surfaces to be backfilled

One coat of VANDEX SUPER at 0.75 kg/m² followed by one coat of VANDEX PREMIX at 1.00 kg/m², brush or spray applied „green“ on „green“. (See also VANDEX SUPER product data sheet).

Basement retaining walls in hollow concrete blockwork

One coat of VANDEX PREMIX at 1.00 kg/m² followed by one coat of VANDEX SUPER at 0.75 kg/m² brush or spray applied „green“ on „green“. A 3:1 sand:cement render/cast coat is then applied over the VANDEX layers whilst they are still „green“.

Basement retaining walls in lightweight concrete blockwork

Two coats of VANDEX PREMIX each at 0.75 kg/m² brush or spray applied „green“ on „green“ followed by a 3:1 sand:cement render coat.

Hollow concrete blockwork above ground

VANDEX PREMIX at 1.00 kg/m². Brush or spray applied.

PACKAGING

25 kg PE-lined paper bags

STORAGE

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

HEALTH AND SAFETY

VANDEX PREMIX contains cement.

Irritating to respiratory system and skin. Risk of serious damage to eyes. – Keep out of the 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. If swallowed, seek medical advice immediately and show this container or label. – For further information please refer to Safety Data Sheet on www.vandex.com.

TECHNICAL DATA		
Aggregate state		powder
Colour		cement grey
Bulk density	[kg/l]	approx. 1,5
Setting time	[min]	120
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.		

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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