CONCRETE GREY

Waterproofing Slurry in Light Grey Colour

- **in-depth waterproofing and protection**
- **permanent active**
- **approved for potable water contact**
- **light grey colour**

Product Description

VANDEX CONCRETE GREY is a cementitious product providing in depth waterproofing and protection of concrete structures, where a light grey colour similar to aged concrete is desired.

VANDEX CONCRETE GREY is produced from Portland cement, specially treated quartz sand, and a compound of active chemicals.

It is supplied in powder form in 25 kg bags and needs only to be mixed with water prior to application.

Areas of Application

VANDEX CONCRETE GREY can be applied to all structurally sound concrete – whether new or old. It is particularly recommended for use on exposed concrete structures.

Typical areas of application are:

- water reservoirs
- bridges
- dams, etc.
- concrete walls above ground
- underpasses

Properties

When VANDEX CONCRETE GREY is applied to a concrete surface, the active chemicals combine with the free lime and moisture present to form chemical complexes. These complexes block the capillaries and minor shrinkage cracks in the concrete to prevent any further water ingress (even under pressure). However, the VANDEX will still allow the passage of water vapour through the structure (i. e. the concrete will still be able to ”breathe“).

VANDEX CONCRETE GREY is approved for use in contact with potable water. It is therefore suitable for the treatment of water storage tanks, reservoirs, water towers, etc.

Surface Preparation

All concrete to be treated with VANDEX CONCRETE GREY must be clean and have 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 CONCRETE GREY is mechanically mixed with clean water to a consistency of thick oil paint. Approximate mixing ratio is 0.8 parts water to 2.0 parts powder (by volume).

Mix only as much material as can be used within 20 minutes and stir mixture frequently. If the mixture starts to set do not add more water, simply restir to restore workability.

Application

VANDEX CONCRETE GREY is normally applied in two coats by masonry brush or power spray. Apply the second coat whilst the first 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.

Note. Do not apply VANDEX CONCRETE GREY at temperatures below +5 °C. VANDEX CONCRETE GREY cannot be used as an additive to concrete or plasters.

Consumption

All surfaces to be treated should receive two coats of VANDEX CONCRETE GREY each coat 0.75 kg / m^2.

Packaging

25 kg PE-lined paper bags.

Storage

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

Technical Data

Aggregate state	powder
Colour	light grey
Bulk density	approx. 1,3 kg / l
Setting time	90 minutes

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 va-lues.

Health and Safety

VANDEX CONCRETE GREY contains cement.
Irritating to eyes and skin. Keep out of reach of children. 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.
For further information please refer to Material Safety Data Sheet.

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