

VARADEX REGULAR

SURFACE APPLIED, CEMENTITIOUS, IN-DEPTH CRYSTAL GROWTH WATERPROOFING TREATMENT FOR CONCRETE

DESCRIPTION

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

VARADEX REGULAR consists of ordinary portland cement, specially treated quartz sand and fillers, and a chemically active compound. **VARADEX REGULAR** is supplied in powder form and only needs the addition of water prior to application.

USES

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

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

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

TYPICAL PROPERTIES

Colour	Cement grey
Bulk density	Approx. 1.5 kg/l
Setting time	120 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 values.

INSTRUCTION FOR USE

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 **VARADEX REGULAR** and made good. Surfaces must be carefully prewatered prior to the **VARADEX REGULAR** application. The concrete surface must be damp but not wet.

MIXING :

VARADEX REGULAR 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 :

VARADEX REGULAR is normally applied in one coat according to specification by masonry brush or appropriate power spray equipment. When overcoating a **VARADEX PREMIUM** application apply the **VARADEX REGULAR** coat whilst the **VARADEX PREMIUM** 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 **VARADEX REGULAR** at temperatures below +5°C.

VARADEX REGULAR cannot be used as an additive to concrete or plasters.

COVERAGE

Concrete surfaces to be backfilled:

One coat of **VARADEX PREMIUM** at 0.75 kg/m² followed by one coat of **VARADEX REGULAR** at 1.00 kg/m², brush or spray applied “green” on “green”. (See also **VARADEX PREMIUM** product data sheet).

Basement retaining walls in hollow concrete blockwork :

One coat of **VARADEX REGULAR** at 1.00 kg/m² followed by one coat **VARADEX PREMIUM** 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 **VARADEX REGULAR** layers whilst they are still “green”.

Basement retaining walls in lightweight concrete blockwork :

Two coats of **VARADEX REGULAR** each 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 :
VARADEX REGULAR at 1.00 kg/m² brush or spray applied.

PACKAGING

VARADEX REGULAR is available in 25kg bag.

STORAGE

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

PRECAUTIONS

Mixing water : Ensure that the water used for mixing is at 25°C (approx.) or less in very hot climates.

Cleaning : All equipment must be cleaned with water immediately after use. Mixes containing this product must not be emptied into drainage systems.

Fire resistance : **VARADEX REGULAR** is not flammable.

HEALTH AND SAFETY

VARADEX REGULAR contains cement. Irritating to skin and eyes. May cause sensitization by skin contact. 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.