



A Cementitious Waterproofing Slurry



Product

Kenseal 1K is a Single Component Powder, applied as a Slurry to waterproof against dampness on walls and floors. It is a blend of Portland Cement, especially selected fine particles aggregates and special additives to give a smooth slurry. It can be applied on stone walls, Concrete, Brick works and light Weight Therma Blocks. It forms a linning to the surface applied and forms a barrier against water penetration, thereby keeping water out or in the structure applied on. It works on both negative and positive surfaces applied on. Once dried it forms a smooth and flexible linning.

Areas of application

- On Basement retaining walls applied from outside to keep water out.
- Inside water tanks to keep the water in.
- On concrete gutters to waterproof them
- On foundations to provide protection against water ingress.

Advantages

- A seamless coating system which gives long lasting protection against water ingress.
- Flexible: this means that the coating can be applied in areas with very high or low temperatures without affecting performance. The ability of this coating to retain the flexibility means that the applied coat can stay for long time without developing cracks hence exhibiting prolonged water resistance.
- Excellent adhesion: due to its unique formulation this coating can easily bond to both porous and non-porous surfaces.
- Non toxic: Thanks to it being a cementitious compound it is safe for potable water.
- Can be colored to give that aesthetic color finish or to match existing surroundings.
- It can be applied by brush, roller or sprayer – ease of application.
- A two coat application is enough to give the necessary protection required.
- Breathable – whilst repelling water, allows substrate to breath.
- Flexible, so has enough crack bridging properties.

Packaging

Available in 5 & 25 Kgs Bags

Application:

Surface Preparation:

In order to obtain good final results in this application, surface preparation is of prime importance. Remove all the loose concrete, paint, grease, oil, dust, residual curing compounds and any other contaminant that may impair adhesion. If the concrete surface is found to be spalled it should be cut back to sound concrete and made good with a suitable cementitious repair mortar. (Kenfix – 3)

Mixing:

Add one part of water to 4 parts of the powder to obtain the correct consistency of the slurry for application. A slow speed drill with a paddle mixer can be used for a good homogeneous mix. Mix for about 5 minutes and let the material stand for 5 minutes before application. Pour the powder into the water whilst stirring, in a suitable container.

Coverage:

Approximately 1 to 1½ Kgs per Sq.mt per coat depending on the surface to be applied on.

Method of application:

Dampen the surface to be applied on and using a paint or block brush apply a liberal coat with strokes in one direction. Allow the coat to set and be firm.

Apply second coat once the first coat has set. Dampen the surface before applying the second coat at right angle to the first coat. Allow to set and dry.

Incase of application in a watertank, allow the coatings to cure for 3 – 4 days before filling with water.

Can be applied by a steel trowel to smoothen the surface if applied on very rough plaster or concrete.

Tools Required:

- Brush (paint or block brush) or rollers
- Electric Drill mixer
- Gloves, goggles and protective clothing
- Hard broom to clean the surface prior to application

Curing:

Like all cement coatings, curing can be with water for 3 – 4 days.

Health and Safety:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin, foodstuffs etc. All protective precautions must be taken to avoid all of the above. In case of contact with eyes flush immediately with a lot of water. If accidentally ingested, seek immediate medical attention.

Manufactured by:

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