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InsuSeal 522 EG

Polymer modified cementitious, durable, waterproof coating

DESCRIPTION OF PRODUCT

InsuSeal 522 EG is a two-component, polymer modified, cementitious coating that requires only on-site mixing to form the ideal product to provide a durable, waterproof coating to re-surface concrete, masonry, and most other **InsuSeal 522 EG** natural concrete appearance.

InsuSeal 522 EG provides an effective barrier to water-borne salts and atmospheric gases.

InsuSeal 522 EG is designed for application by brush or spray; however for filling larger depressions, it can be mixed to stiffer consistency and applied by trowel.

TYPICAL APPLICATIONS

- To re-face and even out variations in concrete surfaces.
- As a waterproof coating for water-retaining structures like water tanks, pools, reservoirs.
- To provide foundation protection.
- As a backing to marble and granite to prevent ingress, and thus alleviate surface staining.
- To provide protection to concrete surfaces from carbonation and chloride attack.
- For use on pedestrian walkways in marine areas.

ADVANTAGES

- Excellent adhesion - bonds to porous and non-porous surfaces.
- Limited flexibility.
- Suitable for light pedestrian traffic.
- Slurry or trowelable consistency, application is still possible by spray.
- Unlike conventional coatings, which require a 7-24 day cure of concerete.

InsuSeal 522 EG can be applied to 24 hour-old concrete, thereby giving immediate protection.

PACKAGING

InsuSeal 522 EG is available in 20kg double pack(15kg powder+5kg liquid).

COLOURS

InsuSeal 522 EG is available in light grey and white.

COMPOSITION

InsuSeal 522 EG is composed of specially selected cements, silica sand and reactive fillers supplied in powder form together with a liquid component of blended acrylic copolymers and wetting agents.

TYPICAL PROPERTIES

Density	**Approx. 2000 kg/m³**
Positive Pressure	**Up to 1.0 Bar**

CHEMICAL RESISTANCE

InsuSeal 522 EG has outstanding wear resistance and waterproofing.

APPLICATION PROCEDURE
SURFACE PREPARATION

As with all coating systems, surface preparation is of prime importance. Remove all grease, oil, dust and residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro jetting. Mechanical wire brushing may be appropriate for small areas. Spalled concrete should be cut back to sound concrete and made good with a suitable cementitious repair mortar, such as **InsuRepair 644**. Conventional concrete curing compounds should be removed before application. The exception to this is when **InsuKure A** has been used.

MIXING

InsuSeal 522 EG is supplied in pre-measured units and should be mixed on site utilising clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle.

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MIX AND USE. Do not mix more material than can be used in one hour.

NOTE: Although InsuSeal 522 EG is supplied in premeasured packs, part packs can be used by mixing 4.5 parts of powder to 1 part of liquid by weight; mix thoroughly and keep mixed during application.
DO NOT RE-TEMPER WITH WATER.

APPLICATION

Do not apply to dry concrete. Saturate concrete surfaces with clean water whilst still visibly damp, but free of standing water. Apply, using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary. For heavy 6-10mm depressions, honeycombs, etc., use less gauging liquid and mix to the desired consistency. Where more than one coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried.
Spray application is recommended for large areas; details of suitable equipment can be provided by Insumat's Technical Services Department.

COVERAGE

0.75-0.9kg/m²/coat, depending on the substrate roughness. (Minimum 2 coats are required).

STORAGE

Store out of direct sunlight, clear of the ground, on pallets protected from rain fall. Avoid excessive compaction.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Insumat's Technical Services Department.

SHELF LIFE

Up to 12 months if stored according to manufacturer's instructions in unopened containers.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and food stuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact Insumat's representative.

Insumat reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY STATEMENT

All products manufactured by Insumat Egypt, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, standard.

* Properties listed are based on laboratory controlled tests.

Actual measured data may vary due to circumstanes beyond Insumat's control.

Manufacturing Insulating Materials and Products Company

Founded by
Osman Ahmed Osman
1974

011 1974 1974
Plot 83 El Motawereen - El Sadat City - Menofia
info@insumat.com
www.insumat.com