



SLP - 14E

Water Dispersed Epoxy Primer

Pack Size

18Kg

Bucket - 8Kgs - Part A

Bucket - 10Kgs - Part B

1.8Kg

Bottle - 800Grams - Part A

Bottle - 1Kgs - Part B

TDS

Technical Data Sheet



Description

Description SLP - 14E is a solvent-free, low viscosity, two-component epoxy resin. After hardening, SLP - 14E produces a membrane with high inherent strength and excellent bond strength to appropriate substrates, including very damp concrete and screeds. SLP - 14E accommodates hygrometer readings up to 98% RH and has excellent resistance to water, grease, oil, aqueous salt solution, dilute mineral and organic acids, and organic liquids and solutions. SLP - 14E is supplied in two colours, red for the first coat and green for the second coat, as a visual aid to application, thickness, and coverage.

Features

Suppresses residual constructional moisture in cement/sand screeds and concrete floors. Can accommodate Hygrometer readings up to 98% RH. Guarantees the early laying of all floor coverings. Easy to apply and fast curing. Available in two colours to allow the user to visually control coverage uniformity. Provides a sandwich damp proof membrane with CLI smoothing and levelling compounds. Provides a bonding agent for CLI SLP - 14E rapid drying screeds. Can be used in conjunction with CLI Industrial Systems. Available in 6kg unit.

Use

SLP - 14E has been specifically developed to suppress residual moisture in concrete and cement/sand screeded sub-floors, providing a surface damp proof membrane where a traditional DPM is not present or is ineffective. SLP - 14E allows for the early installation of moisture-sensitive floor coverings and coatings in fast-track building operations.

Moisture Testing

This should be undertaken in accordance with BS 8203.

Surface Preparation

The surface to be coated must be hard, sound, and free of dust, laitance, dirt, and other barrier materials such as paint, lime coatings, plaster, and adhesive residues. Any existing screeds or levelling/smoothing compounds not resistant to moisture must also be removed. Use a suitable degreaser to remove polish, wax, grease, oil, and similar contaminating substances, followed by thorough mechanical preparation. Concrete curing agents, admixtures, and surface hardeners, along with the residues of these products, can impair adhesion. Where doubt exists or compatibility is unknown, a trial adhesion test with SLP - 14E should be carried out before work commences. Any incompatible curing agents, admixtures, surface hardeners, or other surface contamination should be removed by scabbling, grinding, shot blasting, or hot compressed air, as appropriate.

NOTE: SLP - 14E must not be used over a sub-floor containing underfloor heating.

Movement Joints

Any joints or cracks in the floor subject to movement, such as structural movement joints, must not be bridged with the SLP - 14E System. These joints must be treated with a flexible impervious jointing system and carried through to the floor finish.

Product Data Sheet

SLP-14E

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Mixing

The individual contents of SLP - 14E should be thoroughly stirred before being mixed together. The entire contents of Part B should be poured into Part A, and the two materials mixed thoroughly for at least 3 minutes using a heavy-duty slow-speed drill and spiral paddle. Some of the mixed components should be reintroduced back into the hardener container in order to activate any residue and then poured back into the larger mixing vessel and re-mixed for 30 seconds. Mixing in this way will ensure product consistency and that any resin remaining in the containers after application will cure, making waste disposal easier.

NOTE: Once mixed, SLP - 14E will generate heat and lose working time if it is left in the mixing container or otherwise kept in bulk. Therefore, SLP - 14E should be poured directly onto the floor and distributed without delay to the prepared surface using a brush or short/medium pile roller. Ensure that the entire surface is coated and that "ponding" of the material does not occur.

Application

Apply an even coat of the mixed SLP - 14E using an appropriate notch trowel, such as a 1.5 mm x 5mm V-shaped notched trowel. While SLP - 14E is still wet, the serration ridges should be flattened out with a long-handled short-pile paint roller, initially pre-wetted with the mixed SLP - 14E. The thickness of application should not be less than 200 microns per coat, which can be checked using the CLI wet film thickness gauge. Coverage of 4m²/kg should not be exceeded.

NOTE: Coverage rates will be reduced by rough, porous substrates; pre-smoothing with CLI K 301 is recommended to aid application and improve yield.

NOTE: For applications on either calcium sulphate or Heated Screed Systems, consult the CLI Technical Services Department. It is essential that the applied SLP - 14E is continuous and free from pinholes or cavities; otherwise, an additional application will be necessary. Allow to cure between coats. The second coat can usually be applied approximately 8 hours after the first one.

Self-Levelling Underlayments

1. Apply an even, continuous coat of mixed SLP - 14E as per application instructions and allow to cure, usually 8 hours at 27 ± 1°C.
2. Apply a second coat of SLP - 14E as above, but at right angles to the first coat and allow to cure, usually 8 hours at 27 ± 1°C.
3. Prime the cured SLP - 14E with CLI primer and allow it to dry.
4. Apply the required CLI smoothing compound to a minimum depth of 3 mm, maximum 6 mm, and allow to dry.

Installing A Rapid Dry Screed with No Damp Proof Course

1. Mechanically prepare the concrete slab to expose a clean, sound surface.
2. Apply an even, continuous coat of mixed SLP - 14E as per application instructions and allow to cure, usually 8 hours at 27 ± 1°C.
3. Apply a second coat of SLP - 14E as above, but at right angles to the first coat and allow to cure.
4. Apply a third coat of SLP - 14E and while still tacky, blind with 600-micron dry silica sand or Fine Aggregate and allow to cure.

NOTE: Apply sufficient sand to give a key free from resin. Remove excess sand by vacuum cleaner when cured.

Cleaning

All tools should be cleaned before SLP - 14E cures.

Properties

The values shown are typical of results obtained in the laboratory at 27 ± 1°C. Actual performance values obtained on site may vary from those quoted.

Physical Properties

| | |
|--------------|-------------------|
| Mixing ratio | 2:1 |
| Working Time | -15 minutes |
| Over Coating | 8 hours |
| Walkability | after 6 - 8 hours |

Coverage Estimates

Approximately 24 m² per coat at 200 microns.

NOTE: These figures are theoretical. Due to wastages and the variety and nature of substrates, practical coverage figures may be reduced.

Pack Size

18Kg, 1.8Kg



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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