

Carbolink's Solutions for Self Leveling Compounds

SLP - 14E



**Self Leveling Compounds Product
Specifications & Technical
Data Sheets(TDS)**

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

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Carbolink India Pvt. Ltd. COMPANY PROFILE



For years, Carbolink India has been the Quality Leader in offering excellent Construction Chemical Products with Supreme Quality and Reliability.

Carbolink India Manufactures Industrial Flooring(Epoxy & PU Flooring), Decorative Flooring, 3D Flooring, Waterproofing Systems, corrosion protection, wood coatings, etc. which cater specifically to the Indian climate. With manufacturing facility in India, Carbolink India manufactures and supply Materials all through the country. Carbolink's commitment to customer service and technical support is the best. We work closely with architects, structural engineers, contractors and owners to best understand their requirements. Together we develop a best solution for a construction project, adding value and becoming more than just a materials supplier, but a solution provider.

With the support of our multinational manufacturing group, Carbolink India today has support centers across the country, strategically placed to provide consistent high standards of product and service.

Our Product Range:

- Anti Corrosive Coatings
- Car Park Flooring
- Curing Compounds
- Decorative Flooring
- Floor Hardner
- Grouts & Anchors



- Industrial Flooring
- Repairing Compunds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Self Leveling Compounds

Self Leveling Compound is a rapid setting and hardening, slump free mortar which is ideal for external or internal repairs. The mortar sets and hardens rapidly to give a repair of exceptional strength and hardness. It is ideal for the rapid repair of internal concrete, screeds, renders and concrete steps. Its other applications include forming ramps, falls and coves, patching around fittings/pipework, and filling cracks and gaps .

Carbolink manufactures a full range of world class Self Leveling Compounds systems providing the most up-to-date technologies. Carbolink India is a leader in tailored Self Leveling Compound Solutions.

Here is our Technical Description of SLP - 14E :





SLP - 14E

Surface Damp Proof Membrane - Residual Moisture Suppressant

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 floorcoverings
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

DESCRIPTION

SLP - 14E is a solvent free, low viscosity, two component epoxy resin. After hardening the 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.

SLP - 14E 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.

USE

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

MOISTURE TESTING

This should be undertaken in accordance with BS 8203.

SUBSTRATE 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 suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances, followed by thorough mechanical preparation.

Concrete curing agents, admixtures and surface hardeners and the residues of these products can impair adhesion. Where doubt exists or the compatibility is unknown a trial adhesion test with the 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 : DPM 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 be carried through to the floor finish.

MIXING

The individual contents of the SLP - 14E should be thoroughly stirred before being mixed together. The entire contents of the Part B should be poured into the 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 that remains in the containers after application will cure to provide for easier waste disposal.

NOTE : Once mixed, the SLP - 14E will generate heat and lose working time if it is left in the mixing container or otherwise kept in bulk, therefore the SLP - 14E should be poured directly onto the floor and distributed without delay to 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 by means of an appropriate notch trowel such as a 1.5 mm x 5mm V shaped notched trowel. Whilst the 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, this 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 to 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-LEVELING 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 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 MEMBRANE

- 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 DPM as above, but at right angles to the first coat and allow to cure.
- 4 Apply a third coat of SLP - 14E and whilst 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 the SLP - 14E cures.

PROPERTIES

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

PHYSICAL PROPERTIES

SLP - 14E	@ 27 ± 1°C
Mixing ratio (by weight)	Component A : B 2 : 1
Mixed Density	1.18 gm/cc
Working Time	15 minutes
Over Coating	8 hours
Walkability	after 6 - 8 hours

COVERAGE ESITMATES

Pack size	Coverage
6kg	Approximately
Part A 4kg	24 m ² per coat
Part B 2kg	at 200 microns

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

STORAGE AND SHELF LIFE

SLP - 14E has a shelf life of 12 months if kept in a dry, store in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

PRECAUTIONS

The hardener which contains 4,4' - isopropylidenediphenol and amines classified as corrosive and the epoxy resin which contains bisphenol A/F-epichlorhydrin, can be irritating to the eyes and skin, and may cause sensitisation by contact. They are considered harmful in contact with the skin and if swallowed. During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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