

ShaliPrime[®] 2EC

Two Component Water Based Epoxy Primer



Description

ShaliPrime[®] 2EC is two components water-based epoxy primer for application on prepared concrete surfaces to get adhesion even on green concrete and develop a strong adhesion to temporary moisture barrier underlay coats. It can be over coated with **ShaliFloor SL UL 3EC** underlay.

Product Information

Form, Colour Composition	Liquid: Whitish to clear water-based epoxy emulsion.
Handling & Storage	Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Packaging	Available in 3.5 kg packs.
Shelf Life	12 Months from the date of manufacture when maintain in protected storage in original unopened sealed condition at 5 - 38°C.
Handling Precautions	As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Technical Characteristics @ 27°C, 55% RH

Pot Life, minutes	30 - 45	Finish	Smooth & Matt
Setting time, hours	4	Theoretical Coverage*, kg / m ²	0.25 - 0.40
Over coating interval, hours	4 - 6	Mode of Application	Brush, roller, squeegee
Recommended DFT, μ	25 - 40		

* Depending upon surface condition, surface porosity and mode of application.

Field of Application

- Protective system primer for green concrete surface.
- For highly absorbent surfaces.

Advantages

- Can be applied on concrete areas which have a residual moisture upto 15%.
- Easy to use and apply at the job site.
- Used as a part of floor coating system for dry concrete floors and over a minimum 14 days old green concrete.

Application Information

- ✓ **Substrate Temperature** - +15°C Min / +40°C Max
- ✓ **Ambient Temperature** - +15°C Min / +40°C Max

Application Methodology

➤ Surface Preparation

- The concrete should be more than 14 days old or can be aged concrete.
- It shall be free from other contaminants, such as curing compounds, water, sealers, oil, grease, dust, salts etc. The guideline standards for preparation of concrete is as per SSPC SP 13; Cleaning with required tools to be free of contaminants, laitance, loosely adhering concrete, dust by mechanical, chemical methods.
- Weak concrete must be removed. All voids, dents are to be repaired. All cracks, dents and voids depending on the size and depth should be filled with suitable repair material before priming.

➤ Material Preparation

- Stir the Base (Component A) using a slow speed stirrer to a homogeneous consistency.
- Gradually add the entire contents of stirred Component B to Component A and mix thoroughly for 3 minutes using a slow speed drill (200 - 300 rpm) fitted with a suitable mixing paddle until homogeneous mix is achieved.

➤ Application of Material

- Apply the homogenous mix by brush or roller or squeegee and ensure no air entrapment in the cured film; use cross strokes to ensure adequate material but free of clouding of wet paint and spread well within the working pot life.
- High Humidity may lead to amine blush or sweating and needs to be repaired before application of further coats.

Precautions

- Pot life cannot be extended with addition of water and mixed material exceeding pot life to be discarded.
- Do not cover the primed area with plastic sheets or allow condensation to occur on wet film.
- Not recommended for application on water ponded surfaces and on rising moisture prone areas

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Avoid contact with eyes and skin.
- Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Ensure that there is adequate ventilation in the area where the product is being applied.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.
- Eye protection during application is recommended.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, wash with soap and plenty of water. Get medical attention if irritation develops or persists.

Cleaning & Maintenance

Clean all tools immediately after use with potable water. Do not allow the material to harden.



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