



Technical Data Sheet

Ecohard EP primer

Epoxy resin primer for concrete surfaces

Description

Ecohard EP primer is two component solvent free epoxy primer with good penetrating properties for concrete surfaces

Applications

Ecohard EP primer

Suitable for priming concrete surfaces (Floor and wall) prior to the application of Ecohard products range

Advantages

- Fast application
- Improves the adhesion of epoxy floor toppings and mortars with the substrate.
- Excellent penetration to substrate.
- Excellent mechanical properties.
- Excellent water resistance.

Technical properties

Technical properties

Pot life	60 min @ 20°C 30 min @ 30°C
Compressive strength ASTM C579-18	≥ 75 MPa @ 7days
Flexural Strength ASTM BSEN196-1	≥ 40 MPa @ 7days
Chemical Resistance @ PH 14 ASTMD1308	Resistant
Chemical Resistance NaOH 10% ASTMD1308	Resistant
Water Vapor Transmission ASTM E96	Low-V3
Bond Strength ASTM D 4541-17	>2 Mpa (Concrete F)
Solid Content ASTM D 2369-10	99 ± 1
Time between coats:	≤ 12 hours @ 25°C
Full Curing time:	7 days @ 25°C

Method of use

Surface preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. For best results, mechanical preparation techniques such as mechanical scarifying, grit-blasting, sand blasting are highly recommended.

Areas deeply contaminated by oil or grease, such areas should be treated by hot compressed air. A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

For flooring and tanking works, care must be taken to ensure that the substrate does not suffer from rising dampness.

New concrete floors should be at least 28 days old or have a moisture content of less than 4% before proceeding with epoxy application.

Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing or grinding.

Mixing

Prior to mixing, stir individual components of Resin and Hardener. Add the entire contents of the hardener container to the base and mix thoroughly for at least 3 minutes.

To avoid inconsistent workability and pot life, make sure that the materials to be used are stored in shaded area and protected from extremes of temperatures, for at least 24 hours prior to application.

Precaution: don't mix **Ecohard EP Primer** by hand as this could lead to areas of uncured material.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Apply **Ecohard EP primer** with brush, roller, or spray machine. Apply to substrate in rich amount to ensure proper penetration and coverage of the surface. The application rate varies between 4 - 6 m²/Lt., dependent on the porosity of substrate.

For very porous substrate apply two coats of **Ecohard EP primer**. If the primed surface is not over coated with the subsequent product within 24 hours, a fresh coat of primer must be applied again

Theoretical Coverage

Approximately 4 - 6 m²/Lt.

Storage

12 months when stored properly in unopened container in dry conditions at temperature between 10 - 25°C.

Cleaning

All tools shall be cleaned immediately after application using **Envirocon -Solvent**. Hardened materials must be cleaned mechanically.

Packaging

Ecohard EP Primer is available in 5kg and 15kg packs

Cautions

Health and safety

Avoid skin and eye contact by wearing overalls, gloves, goggles, and air-mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water.

Avoid inhalation of vapors and paint mist by wearing suitable air-mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.

Smoking in the area should not be permitted. Local safety regulations should be followed.

Fire

Ecohard EP Primer is not flammable.

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