

# POXY PRIME CLEAR 400



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## Solvent free epoxy based surface sealer and primer

### Description:

**Poxy Prime Clear 400** is a two-component medium viscosity, high performance epoxy primer, designed to seal porosity of the substrate thus providing a homogenous and adherent surface to various epoxy and polyurethane coating system. It adheres to a variety of substrates and can be applied as a scratch coat with the addition of graded quartz sand.

### Uses:

**Poxy Prime Clear 400** field of application include

- Pore blocking primer for cement & Concrete substrate.
- Intermediate adhesion coat over concrete, steel or wood before other protective or waterproofing coatings such as epoxy, Polyurethanes, Polyurea are applied.

### Features:

- Excellent adhesion to concrete, timber, granolithic, screed, mild steel.
- Medium viscosity, good sealing properties to substrate.
- Withstands mechanical loading.
- Water tight, resistant to wide range of chemicals, acids and alkalis.
- Provides a homogenous transparent layer to substrate.

### Technical properties (@25C° & 50% R.H)

Appearance	Clear Fluid
Mix density	1.07 Kg/Liter
Pot life	> 60-90 minutes
Bond strength	Greater than the cohesive strength of concrete surface
Application Temperature	10C° to 25C°
Recoatable	After approx. 8 hours

**Note:** Properties are based on laboratory-controlled tests.

## Instruction for use

### Surface preparation:

All surfaces should be sound, clean, dry and free from loose and flaking material, efflorescence, laitance, curing compounds, dirt, oil and grease.

New concrete or cementitious surfaces should be allowed to cure for at least 21 days and have a moisture content, not exceeding 5% before proceeding with the primer application.

Laitance and weak deposits on new concrete floors must be removed by light grit blasting, mechanical scabbling or grinding.

For old concrete floors, use mechanical methods like grinding or blasting particularly when heavy contamination by oil and grease has occurred or existing coating is present, to provide a suitable clean surface with a profiled open texture. All repairs to cracks, leveling of floors, voids filling should be done using suitable Builda Rep S52 Repair Products.

Once the repair is completed allow the product to cure. The surface after carrying out necessary cleaning, shall be vacuumed for removing dust loose debris left over after the cleaning process. Metal surface must be perfectly cleaned up to the white metal by sand blasting, then treated with primer immediately before the oxidation process begins again.

### Mixing:

Stir well Part (A) with drill mixer at low speed to obtain the uniform liquid for optimized performance, add the entire contents of Part B (Hardener) to Part A (Base) container at once for better balanced stoichiometric ratios. Ensure that the hardener drains completely from its container.

Mix thoroughly using a low-speed drill mixer fitted with a suitable mixing paddle at 300-400 rpm for 2-3 minutes. Scrape the sides and bottom of the container to ensure the hardener is evenly dispersed. Stir until a homogenous and uniform consistency is achieved.

It is always recommended to mix one complete kit at a time.

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## Application:

The mixed primer shall be applied within the working time of the product. The primer can be applied by brush, roller or spray machine.

For application over friable substrate or very porous surface apply the product up to complete saturation of the support, ensuring proper penetration and coverage of the surface. If necessary, apply two priming coats.

Onto very compact supports, avoid the build-up of material. Application rate depends on the porosity of the substrate. Recoating can be executed after 8 hours depending on surface and temperature conditions.

## Cleaning:

Clean all tools and equipment with Builda-Solvent-200 immediately after use. Hardened material must be removed mechanically.

## Coverage:

**Poxy Prime Clear 400** achieves coverage of approx. 5-7 m<sup>2</sup>/Ltr per coat depending upon the porosity of the substrate.

## Packaging:

**Poxy Prime Clear 400** is available in 15 Ltr kit in metal Bucket.

## Storage and Shelf Life:

**Poxy Prime Clear 400** must Store in a cool, covered dry place. Do not expose the kits to direct sunlight and keep away from all sources of heat. The shelf life of the product is 12 months in unopened condition if stored as per the recommendation. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life. Upon Long storage period of time some minerals might needs mixing prior to add Hardener part (B).

## Health and Safety:

Keep the product away from sources of ignition. Containers should be tightly sealed when not in use.

- In the event of fire, extinguish with Carbon Di Oxide or foam type extinguisher.
- During application, wear appropriate protective clothing, goggles and respiratory equipment.
- Avoid contact with skin, eyes and inhalation of vapor.
- Ensure proper ventilation at working place.
- In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
- In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
- In ingested, do not induce vomiting. Seek medical attention immediately.  
Please refer to the product safety data sheet for further details.

## Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All **BuilChem** data sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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