



Bond-Prime

Primer to Seal and Stabilise Substrates



Product Overview

Single component, water-based primer for sealing and stabilising substrates prior to the application of the Flexcrete range of specialist decorative and protective membranes.

Uses

Can be used to treat a range of substrates, including:

- | | |
|-----------------------------------|---------------------|
| Concrete | Mortars and Renders |
| Masonry | Polyurethane Foam |
| Phenolic Board | Existing Paints |
| Plaster | |
| Flexcrete Concrete Repair Mortars | |

NOTE: Always consult individual Technical Data Sheets.

Advantages

- Enhances bond by combining penetration into the pore structure with a surface film-forming effect to produce a stabilised, sound surface ideal for treatment.
- Reacts with subsequently applied coatings to provide a chemical bond giving excellent adhesion.
- Dries quickly without the release of hazardous solvents and can be overcoated after just 1 hour.
- Contains a pre-reacted epoxy cross-linking agent dispersed in water to minimise health hazards. Equipment is easily cleaned with water.
- Low VOC, single component, water-based formulation.
- Easy and safe to apply. Green tint ensures complete coverage of substrate.
- Minimal wastage, container can be re-sealed and stored for future use.

Description

BOND-PRIME is a rapid curing, water-based product consisting of an acrylic copolymer modified with a unique water-emulsified epoxy cross-linking agent. **BOND-PRIME** is inherently hydrophobic and alkali resistant, making it ideal for application to a wide range of new and aged mineral substrates.

It is non-hazardous, and application is by brush, roller or airless spray to prime and stabilise surfaces prior to the application of Flexcrete's specialist membranes. **BOND-PRIME** cures to form a clear film with an identifying green tint, both on and within the substrate, to provide an ideal surface for subsequent treatment.

Technical Data

Property	Result	
Base	Acrylic copolymer modified with unique water-emulsified epoxy cross-linking bonding agent.	
Solids Content	>25% by weight	
Drying Times	< 20°C 4-8 hours	28°C - 32°C 1-2 hours
NOTE: Very high humidity, e.g. 90%, will increase dry/cure time.		
Permissible Substrate Moisture: Excellent tolerance to substrate dampness, but upper limits relate to the subsequent coating application for which the maximum permitted moisture content is 20% wood moisture equivalent (wme) as measured by a Protimeter.		

Coverage

- | | |
|---------------------------|-------------------------------|
| Non-Absorbent Substrates: | 10m ² /litre (max) |
| Cementitious Substrates: | 5m ² /litre |
| Masonry: | 5m ² /litre |

A 5 litre unit will cover 25-50m² dependant on substrate

A 25 litre unit will cover 75-250m² dependant on substrate.

NOTE: Rough, porous, or irregular substrates will reduce coverage.





Application Instructions

DO NOT APPLY WHEN TEMPERATURE IS BELOW 5°C. OR WHEN RAINING.

Preparation

Surfaces must be free from dirt, dust, oil, grease, organic growth and any extraneous substances that could impair adhesion or cure. Prepare surfaces by mechanical means. Use techniques capable of achieving the required degree of preparation, such as wet grit or water blasting techniques or equivalent approved methods. Ensure any existing paints are fully adhered before priming. Surfaces subjected to mould, bacterial or algal growth should be first treated with a suitable proprietary biocidal wash, rinsing down as necessary. Ensure the moisture content of the surface is less than 20% wood moisture equivalent as measured by a Protimeter, which equates to a relative humidity of 84% in the substrate. Please consult individual Technical Data Sheets for further information.

Equipment

Brushes: Wide, soft nylon or bristle paint brushes.

Rollers: Medium pile sheepskin roller or equivalent.

Spray: Airless spray at 2500-3000 psi with 11-19 thou tip size.

Application and Curing

Apply one coat by brush, roller or airless spray at a maximum coverage rate of up to 5m²/litre on cured concrete or 10m²/litre on other non-absorbent substrates. On green, uncured, damp cementitious substrates, two coats may be required. Salt laden substrates will require two coats. Absorbent substrates will reduce coverage.

FLEXCRETE REPAIR MORTARS should be cured overnight and, when dry, one coat of primer should be applied at 5m²/litre as above.

Allow primer to dry prior to overcoating with the chosen membrane as detailed on the individual Technical Data Sheet, ideally within 24 hours. Application may take place within 7 days but any delay after this time will necessitate a further coat of **BOND-PRIME**.

For further information, please refer to the Priming Guide.

Cleaning and Storage

All tools should be cleaned with water before the Primer cures. It is advisable that brushes and rollers are occasionally cleaned during use. Spray equipment must be emptied and flushed at the end of the working day.

BOND-PRIME can be stored for 12 months in dry, frost free conditions in original sealed containers. Protect from high temperatures (40°C+) over prolonged periods.

Packaging

BOND-PRIME is supplied in a 5 litre and 25 litre units.

Health and Safety

Safety Data Sheets are available on request.

Application Top Tips

1. Rough, porous or irregular substrates will reduce coverage.
2. For brush application use wide, soft nylon or bristle brushes.
3. For roller application use medium pile sheepskin rollers or equivalent.
4. When applying by airless spray techniques use an 11-19thou tip and spray at 2500-3000psi.
5. Clean brushes and rollers occasionally during use.
6. Regularly clean spray nozzles to avoid blockages.
7. Spray equipment must be emptied and flushed at the end of the working day.
8. Cold Weather Working (See separate Guide)
 - Do not apply below 5°C.
 - Do not use any product which has been frozen.
9. Protect from prolonged storage at high temperatures (≥40°C).

The information herein is correct to the best of our knowledge, but it does not necessarily refer to the particular requirements of the customer. If the customer has any particular requirements it should make them known in writing to Flexcrete Technologies Limited, and obtain further advice accordingly.



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