



# BOND-PRIME

## Primer to Seal & Stabilise Substrates

### USES

**BOND-PRIME** is a single component, water based, epoxy modified polymeric primer for sealing and stabilising substrates prior to the application of the specialist decorative and protective membranes in the Flexcrete range.

Substrates to be treated include:

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

N.B. Always consult individual Technical Data Sheets.

### ADVANTAGES

- Enhances bond by combining penetration into the surface 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 from 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.

### PRODUCT DESCRIPTION

**BOND-PRIME** is the latest technology, 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.

The modern chemistry 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

Base:	Acrylic copolymer modified with a unique water-emulsified epoxy cross-linking bonding agent.	
Solids Content:	>25% by weight	
Drying Times:	<20°C	28-32°C
Dry/Cure (hrs)	4-8 hrs	1-2 hrs
	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.

Min Application Temperature: 5°C

### COVERAGE (TYPICAL)

Non-absorbent Substrates:	10m <sup>2</sup> /litre (max)
Cementitious Substrates:	5m <sup>2</sup> /litre
Masonry:	5m <sup>2</sup> /litre

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

### IMPORTANT NOTES

Do not apply when temperature is below 5°C, or when raining.

## APPLICATION DATA

Application Guide available on request.

## 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 Data Sheets for further information.

## EQUIPMENT

Brush: Wide, soft nylon or bristle.  
Roller: 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 5m<sup>2</sup>/litre on cured concrete or 10m<sup>2</sup>/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 5m<sup>2</sup>/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**.

## CLEANING

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

## SHELF LIFE

12 months when stored in dry frost free conditions, in original sealed containers. Protect from high temperatures (40°C+) over prolonged periods.

## PACKAGING

Pack Size: 5 litres and 25 litres

## SAFETY DATA

Safety Data Sheet available on request.



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