



Since 1967

Technical Data Sheet

BLUE PRIME™ PENETRATING WATERPROOFING PRIMER

PART 1: GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

BULL-BOND® BLUE PRIME™ is a transparent red, 100% acrylic, penetrating primer and surface conditioner. This product is used to waterproof concrete, masonry, wood surfaces and painted surfaces. BLUE PRIME™ is formulated with ultra-small particle size acrylic polymers and water-like viscosity; this allows the primer to penetrate deep within the substrate's internal structure. After curing, deep penetration results in a permanent saturation of the substrate's pores and micro cracks; while providing unique waterproofing properties within the substrate. BLUE PRIME™ cures with a tacky finish offers high strength adhesion for subsequent coatings. BLUE PRIME™ can be used as a waterproofing primer and dust-proofer prior to roof coatings, floor and wall finishes.

1.2 BASIC USES:

- Waterproofing primer and dust-proofer prior to elastomeric roof coatings
- Waterproofing primer and dust-proofer prior to floor and wall finishes.

BULL-BOND® BLUE PRIME™ is suitable for interior and exterior conditions on vertical and horizontal surfaces for the previously mentioned applications.

1.3 ADVANTAGES:

- Blue color that assists visibility during application
- Low viscosity
- Excellent porous surface penetration
- Permanent concrete saturation
- Produces a penetrating seal
- Reduces permeability
- Adhesion promoter for subsequent base coat
- High adhesion strength to cementitious substrates
- Water-based
- Easy to clean
- Fast drying
- Low VOC and non-toxic

1.4 LIMITATIONS:

- BULL-BOND® BLUE PRIME™ must cure for at least 2 hours before subsequent coatings.
- BULL-BOND® BLUE PRIME™ does not provide waterproofing against hydrostatic pressure, in this case use BULL-BOND® PRO DRY™.
- If applied over concrete, it has to be cured at least 30 days.
- Do not apply over solvent or oil-based sealers.
- Do not apply when air or surface temperature is below 50°F (10°C) or expected to fall before coating can dry.
- Do not apply when air or surface temperature exceeds 95°F.
- Do not apply to wet or damp surfaces.

- Do not apply when it may rain or dew may condense on the surface before product has a chance to dry.
- Do not allow freezing. Store above 40°F (5°C).

PART 2: TECHNICAL DATA

2.1 PRODUCT CHARACTERISTICS:

PRODUCT CHARACTERISTICS	
BULLBOND® BLUE PRIME™	
COMPOSITION	Synthetic Rubber
FINISH	Transparent Blue
WEIGHT SOLIDS	23%
DENSITY	8.33 lb/gal
VISCOSITY	water-like
pH	8.0-9.0
COVERAGE	See Application Rate Table
DRY TIME	To touch: 1 hr To recoat: 2-4 hours
SHELF LIFE	12 months

PART 3: INSTRUCTIONS

3.1 SURFACE PREPARATION

- All substrates must be structurally sound, thoroughly clean and free of oil, wax, grease, dust, loose debris, plant material or any other contaminant that might act as a bond breaker.
- Remove any loose material, deteriorated concrete, paint, sealer, mold or water-soluble materials.
- To remove mildew and fungus use a solution of regular bleach diluted with water at a ratio of 1:10 and rinse immediately to prevent absorption of chlorine into the concrete or using a mildew removing product. *It is important to dilute the bleach with water and wash the surface immediately. Never leave concrete surfaces with chlorine solutions without rinsing.
- For chalky surfaces with excessive efflorescence first apply mechanical abrasion with a wire brush or another abrasive then remove efflorescence powder with acid etching using BULL-BOND® KLEANCRETE™ or regular muriatic acid. Remember to thoroughly rinse and neutralize the concrete surface to assure the surface pH is alkaline before product application.
- For smooth-finished concrete etch the surface with BULL-BOND® KLEANCRETE™ or regular muriatic acid. Remember to thoroughly rinse and neutralize the concrete surface to assure the surface pH is alkaline before product application.
- Clean the surface with a high-pressure water hose.
- Test the surface by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. Contaminants should be mechanically removed before installation.
- Ambient temperature, surfaces and materials should be below 90°F. Do

not use product if rain is expected.

- Surface must be completely dry.

3.2 APPLICATION

APPLICATION RATE		
BULLBOND® BLUE PRIME™		
As a Waterproofing Primer		
HORIZONTAL SUBSTRATE	FIRST COAT	SECOND COAT
Concrete Roof	200 ft ² /gallon	300 ft ² /gallon
Porous Concrete	100 ft ² /gallon	150 ft ² /gallon
Non-Porous Concrete	300 ft ² /gallon	450 ft ² /gallon
VERTICAL SUBSTRATE	FIRST COAT	SECOND COAT
Porous Concrete	100 ft ² /gallon	150 ft ² /gallon
Plaster	300 ft ² /gallon	450 ft ² /gallon
CMU Block	80 ft ² /gallon	120 ft ² /gallon
Non-Porous Concrete	300 ft ² /gallon	450 ft ² /gallon

3.2.1 As a Waterproofing Primer and Dust-Proof Prior to Roof Coatings:

1. Exposed concrete roof surfaces that have moisture problems, concrete dusting or with excessive porosity need to be flood coated with a first coat of BULL-BOND® BLUE PRIME™ at 200 ft²/gallon or two coats at 400ft²/gallon. If it is necessary, spread any product build-up with a brush or broom, back roll to eliminate any puddles and assure proper surface penetration.
2. Let the first coat dry at least 2 hours.
3. Apply a second coat following the same procedure as above.
4. Let the product dry completely at least 2 hours before subsequent roof coating application, but topcoat before 48 hours. If the roof coating cannot be applied within 48 hours, reprime.

3.2.2 As a Primer and Dust-Proof Prior to Floor and Wall Finishes:

1. Wall surfaces that have moisture problems, efflorescence or with excessive porosity need to be primed with BLUE PRIME™ at a rate of 350 ft²/gallon. Back roll to fill any pinholes and assure proper surface penetration.
2. Let the first coat dry at least 2 hours.
3. For and increased seal apply a second coat following the same procedure as above.
4. Let the product dry completely at least 2-4 hours before paint application.

3.4 CURING

1. The applied product should be dry to touch after 1-3 hours.
2. Protect from excessive rain during the first 24 of curing.
3. Will accept subsequent top coating after 2 hours of application.

3.5 CLEANUP

Wash hands and tools promptly with water and soap immediately after use.

PART 4: PRECAUTIONS

Avoid breathing product vapors or mist. Use only with adequate ventilation. Can cause eye, nose and throat irritation. Could be harmful if swallowed. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label and SDS.

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