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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.

BULL-BOND® BLUE PRIME™

- 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-Proofer 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-Proofer 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 an 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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