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Since 1967

Technical Data Sheet

CLEAR SEAL 2000™

MULTI-PURPOSE PROTECTIVE WATERPROOFING SEALER & PRIMER

PART 1: GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

BULL-BOND® CLEAR SEAL 2000™ is a water-based 100% acrylic clear waterproofing sealer & primer for concrete, masonry, pavers and plasters. This multi-purpose product is specially designed to provide a penetrating protective seal on porous surfaces, reduce permeability, decrease mildew growth, bind chalky surfaces and interlock paving joint sand. CLEAR SEAL 2000™ is formulated with an ultra-small particle size polymer technology and hydrophobic latex that creates a watertight and durable seal on treated surfaces. CLEAR SEAL 2000™ can be used as a stand-alone natural satin finish sealer or as a waterproofing primer and dust-proofer prior to wall finishes and roof coatings.

1.2 BASIC USES:

- Stand-alone protective sealer on horizontal surfaces like:
  - -Block Paver
  - -Porous Concrete
  - -Stone
  - -Non-Porous Concrete (1:1 Dilution)
- Binding and interlocking paving joint sand
- Stand-alone waterproofing sealer on vertical surfaces like:
  - -Porous Concrete
  - -Stucco
  - -Plaster
  - -CMU Block
  - -EIFS
  - -Drywall
  - -Adobe
  - -Retaining Walls
  - -Non-Porous Concrete and Brick (1:1 Dilution)
- Waterproofing primer and dust-proofer prior to wall finishes and roof coatings

BULL-BOND® CLEAR SEAL 2000™ is suitable for interior and exterior conditions on vertical and horizontal surfaces for the previously mentioned applications.

1.3 ADVANTAGES:

- Multi-use
- Produces a penetrating seal
- Reduces permeability
- Protects and preserves surface colors
- Natural satin clear finish
- Stain-protection
- Non-yellowing (UV stable)
- Breathable
- Decreases mildew and fungus development
- Reduces weeds on paving joint sand
- Tire marking resistance on porous surfaces
- Chemical Resistance
  - - Gasoline
  - - Oil
  - - Chlorine
  - - Salt
  - - Industrial Degreaser
- Abrasion Resistance
- High durability
- Water-based
- Easy clean up
- Resists alkali and efflorescence
- Low VOC and non-toxic

1.4 LIMITATIONS:

- CLEAR SEAL 2000™ must cure for at least 72 hours before exposing to heavy traffic.
- CLEAR SEAL 2000™ does not provide waterproofing against hydrostatic pressure, in this case use BULL-BOND® PRO DRY™.
- Approved for vehicular traffic when applied on porous surfaces.
- If applied over bare concrete, concrete must 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® CLEAR SEAL 2000	
COMPOSITION	100% Acrylic Latex
FINISH	Natural Satin Clear
WEIGHT SOLIDS	22%
DENSITY	8.33 lb/gal
VISCOSITY	w ater-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

2.2 COVERAGE:

APPLICATION RATE			
BULLBOND® CLEAR SEAL 2000			
HORIZONTAL SUBSTRATE	**CONCENTRATION**	**FIRST COAT**	**SECOND COAT**
Block Paver	Neat	75 ft²/gallon	110 ft²/gallon
Porous Concrete	Neat	100 ft²/gallon	150 ft²/gallon
Stone	Neat	200 ft²/gallon	300 ft²/gallon
Non-Porous Concrete	1:1 Dilution	300 ft²/gallon	450 ft²/gallon
Paving Joint Sand	Neat	75 ft²/gallon	110 ft²/gallon
Concrete Roof	Neat	200 ft²/gallon	300 ft²/gallon
VERTICAL SUBSTRATE	**CONCENTRATION**	**FIRST COAT**	**SECOND COAT**
Porous Concrete	Neat	100 ft²/gallon	150 ft²/gallon
Stucco	Neat	150 ft²/gallon	225 ft²/gallon
Plaster	Neat	150 ft²/gallon	225 ft²/gallon
CMU Block	Neat	80 ft²/gallon	120 ft²/gallon
EIFS	Neat	150 ft²/gallon	225 ft²/gallon
Dryw all	Neat	70 ft²/gallon	105 ft²/gallon
Adobe	Neat	100 ft²/gallon	150 ft²/gallon
Retaining Wall	Neat	125 ft²/gallon	190 ft²/gallon
Non-Porous Concrete	1:1 Dilution	175 ft²/gallon	265 ft²/gallon
Brick	1:1 Dilution	125 ft²/gallon	190 ft²/gallon

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

3.2.1 As a Sealer on Horizontal Surfaces:

1. For low density or porous surfaces use product neat (concentrated). For high density or non-porous surfaces dilute product with water at a ratio of 1:1. Mix product lightly before application.
2. Apply a first coat at the required coverage rate (refer to the coverage table for each type of surface) using a garden sprayer, airless sprayer or a roller (1/4"-3/8" nap). Divide into sections and make sure that product application is uniform throughout the surface.
   a. If sprayed or rolled, back brush the first coat to eliminate any puddles and assure proper surface penetration.
   b. If brushed, work the product into the surface making sure to fill all pores and pinholes.
3. Allow the first coat to dry for at least 2 hours.
4. For low density or porous surfaces a second coat may be applied for and increased seal, better stain resistance and if a higher gloss is desired. Follow the same procedure as above.
Let the product dry completely at least 2-4 hours.

3.2.2 As a Sealer on Vertical Surfaces:

1. For low density or porous surfaces use product neat (concentrated). For high density or non-porous surfaces dilute product with water at a ratio of 1:1. Mix product lightly before application.
2. Apply the first coat from the bottom up at the required coverage rate (refer to the coverage table for each type of surface) using a garden sprayer, airless sprayer, roller (1/4"-3/8" nap) or a brush.
   a. If sprayed or rolled, back roll the first coat to fill any pinholes and assure proper surface penetration.
   b. If brushed, work the product into the surface making sure to fill all pores and pinholes.
3. Allow the first coat to dry for at least 2 hours.
4. For and increased seal, better stain resistance and if a higher gloss is desired apply a second coat at the required coverage rate (refer to the coverage table for each type of surface) following the same procedure as above.
5. Let the product dry completely at least 2-4 hours.

3.2.3 As an Interlocking Binder for Paving Joint Sand:

1. The paver joints should be completely filled with dry, correctly graded ASTM C-144 jointing sand with the top level not exceeding the bottom of the chamfer or 1/8" below the surface on a tumbled paver surface.
2. A leaf blower is the recommended method to remove dust and fine sand particles from the surface and achieve the optimum joint sand height.
3. Apply a flood coat over the paver joint surface at the required coverage rate (refer to the coverage table for each type of surface) using an airless sprayer or garden sprayer to stabilize the joint sand. Divide into sections and make sure that product application is uniform throughout the surface. Using a squeegee remove puddles and excess material from the surface and direct it into the joint sand to get better penetration.Sufficient material must be applied to the surface to achieve joint sand saturation.
4. For and increased seal, stronger joint binding, better weed resistance and if a higher gloss is desired apply a second coat at the required coverage rate (refer to the coverage table for each type of surface) following the same procedure as above.

3.2.4 As a Primer and Dust-Proofer Prior to Wall Finishes:

1. Wall surfaces that have moisture problems, efflorescence or with excessive porosity need to be primed with BULL-BOND® CLEAR SEAL 2000™ 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.

3.2.5 As a Primer and Dust-Proofer Prior to Roof Coatings:

1. Concrete roof surfaces that have moisture problems, concrete dusting or with excessive porosity need to be flood coated with BULL-BOND® CLEAR SEAL 2000™ at a rate of 200 ft²/gallon. 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 roof coating application, but topcoat before 72 hours.

3.3 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 heavy traffic after 72 hours of application.

3.4 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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Check our website for the latest version of the Technical Data Sheet

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BULL-BOND® Since 1967

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