



Since 1967

# Technical Data Sheet

## PRO FLOOR™ HIGH RESISTANCE FLOOR PAINT

### PART 1: GENERAL INFORMATION

#### 1.1 PRODUCT DESCRIPTION

BULL-BOND® PRO FLOOR™ is an acrylic, high resistance floor paint. This high performance product is specially designed to provide a tough coating with high adhesion strength, abrasion resistance, chemical resistance, hot tire pickup resistance and heavy traffic resistance. BULL-BOND® PRO FLOOR™ is formulated with an ultra-small particle size polymer technology and a rigid hydrophobic latex that creates a durable floor coating for concrete surfaces.

#### 1.2 BASIC USES:

- High-Resistance Floor Coating for:
  - Driveways
  - Garage Floors
  - Workshop Floors
  - Pavements
  - Patios
  - Parkings

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

#### 1.3 SUITABLE SUBSTRATES:

- Concrete
- Asphalt

*\*The preferable substrate to apply the PRO FLOOR™ is over bare concrete or asphalt. Good adhesion can be obtained over existing coatings, but the final adhesion of the PRO FLOOR™ will depend on the adhesion level of the previously applied material.*

#### 1.4 ADVANTAGES:

- Hot Tire Pickup Resistance
- Chemical Resistance
  - Gasoline
  - Oil
  - Brake Fluid
  - Transmission Fluid
  - Ethanol 20%
  - KOH 25%
  - Gasoline
  - Battery Acid
  - Ammonia 25%
  - Acetic Acid
  - Industrial Degreaser

- Resists traffic
- Easy to clean
- Resists mildew, fungus and algae growth
- Excellent coverage
- Water-Based
- Low VOC and non-toxic

#### 1.5 LIMITATIONS:

- BULL-BOND® PRO FLOOR™ must cure for at least 72 hours before being exposed to traffic.
- Warranty will be void if BULL-BOND® PRO FLOOR™ is applied over previous coatings.
- 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 paint has a chance to dry.
- Allow for slow drying during high humidity.
- Do not allow to freeze. Store above 40°F (5°C).
- Not recommended for heavy vehicular traffic bearing surfaces.

### PART 2: TECHNICAL DATA

#### 2.1 PRODUCT CHARACTERISTICS:

PRODUCT CHARACTERISTICS	
BULLBOND® PRO FLOOR™	
COMPOSITION	100% Acrylic Latex
FINISH	Smooth / Textured
SHEEN	Flat
COLORS	See Color Chart
WEIGHT SOLIDS	48-50%
VOLUME SOLIDS	34-36%
DENSITY	10.30 lb/gal
VISCOSITY	100-110 KU at 70°F
pH	9.1-9.5
COVERAGE	Smooth Concrete: 300-350 ft <sup>2</sup> /gallon/coat
	Rough Concrete: 200-250 ft <sup>2</sup> /gallon/coat
	Asphalt: 75-125 ft <sup>2</sup> /gallon/coat
RECOMMENDED FILM THICKNESS	4 wet mils/coat (minimum)
DRY TIME	To touch: 2 hr To recoat: 5 hours
	For traffic exposure: 72 hours
SHELF LIFE	12 months

\*Actual coverage rates vary depending on surface texture and method of application.

## 2.2 MATERIAL PHYSICAL PROPERTIES:

MATERIAL PHYSICAL PROPERTIES			
PROPERTY	METHOD	BULLBOND® PRO FLOOR™	
Film Hardness	(ASTM D3363)	5H	
Hot Tire Pick-Up Resistance	(ASTM WK14355)	Pass	
Chemical Resistance	-	Gasoline	0
		Oil	0
		Break Fluid	0
		Transmission Fluid	0
		Ethanol 20%	0
		KOH 25%	0
		Gasolina	0
		Battery Acid	0
		Ammonia 25%	0
		Acetic Acid	0
Industrial Degreaser	0		

## PART 3: INSTRUCTIONS

### 3.1 SURFACE PREPARATION

#### 3.1.1. Cleaning:

The concrete or asphalt surface must be dry, structurally sound, thoroughly clean and free of efflorescence, mold, old paint, oil, wax, grease, dirt, dust, form release compound or any other contaminant that might act as a bond breaker. Any loose concrete, paint, sealer, mold or water-soluble materials must be removed.

1. For chalky surfaces with 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 following the manufacturer's instructions for each respective product. Remember to thoroughly rinse and neutralize the concrete surface to assure the surface pH is alkaline before product application.

2. To remove mildew and fungus use a mildew removing product or solution of regular bleach diluted with water at a ratio of 1:10 and rinse immediately to prevent absorption of chlorine into the concrete. *\*It is important to dilute the bleach with water and wash the surface immediately. Never leave concrete surfaces with chlorine solutions without rinsing.*

3. Remove old paint with a wire brush a grinder, using a carbide or diamond grinding blade or by other suitable means. Previously painted surfaces with excess gloss need to be sanded. Old paint may not be removed, only if its is firmly bonded to the surface. Make sure it is free from any contaminants *\*If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC AVOID EXPOSURE.* Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop.

4. Remove oil, wax, grease, dirt, dust and/or form release compound with an industrial degreaser using a heavy duty brush.

5. Slick or smoothly trowelled surfaces must be prepared mechanically or etched with a 10% of muriatic acid solution until the concrete pores are opened up and a rougher profile is given to the concrete.

6. Be certain that there are no silicone/silicate type sealers or water re-

pellents on the floor or they would have to be removed with acid or other means before application.

7. Concrete surface profile (ICRI) CSP should be between CSP-1 and CSP-5 for optimum PRO FLOOR™ performance.

8. Rinse thoroughly with clean water.

#### 3.1.2 Priming:

1. Bare/unpainted concrete surfaces and areas with heavy traffic should be primed with BULL-BOND® Clear Seal 2000™ or with a dilution of BULL-BOND® Primer Plus™ with water at a ratio of 1:1 at a rate of 350 ft<sup>2</sup>/gallon. Asphalt surfaces or highly porous concrete surfaces should be primed with two coats of a dilution of BULL-BOND® Elasto Acryl™ with water at a ratio of 1:1 or with one coat of pure BULL-BOND® Elasto Acryl™ at a rate of 100 ft<sup>2</sup>/gallon.

2. Previously painted surfaces can be primed as in the previous step (1) or if uncertain, apply a test patch of and check adhesion with duct tape after 2-3 days. Press tape down firmly on the test patch and pull up sharply. If the paint pulls up from the surface PRO FLOOR™ should not be used over this material.

### 3.2 APPLICATION

1. Use product when ambient, material and surface temperature are below 95°F and over 50°F. Do not use product if precipitation or heavy dew is expected. Use with adequate ventilation.

2. Mix product thoroughly before and during application.

3. Apply the first coat at 300-350 ft<sup>2</sup>/gallon for smooth surfaces or at 200-250 ft<sup>2</sup>/gallon for rough surfaces using a roller (3/8"-1/2" nap), squeegee or a good quality nylon bristle brush.

4. Let the material dry for 4 hours.

5. Apply the second coat in perpendicular direction at the same rate following the same procedure as above (3) 6. Let the product dry completely at least 24 hours.

### 3.3 CURING

1. Normally dries in 2 – 4 hours and can be walked on after 24 hours at 75°F.

2. Wait 72 hours before exposing area to traffic.

*\*Low temperatures and high humidity can extend drying and curing time. Moisture and dew on the surface will halt the curing until it dries off and could produce appearance defects.*

### 3.4 CLEANING

Clean all equipment with warm soapy water immediately after use.

## PART 4: PRECAUTIONS

Avoid breathing product vapors or mist. Use only with adequate ventilation. Causes 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.

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