



*Florence County Government*  
Procurement Department

February 17, 2017

**ADDENDUM NO. 2- SANDBLAST, REPAIR AND PAINTING OF THE SPLASH PAD  
COMPLEX AT LYNCHES RIVER COUNTY PARK (BID NO. 20-16/17)**

**THE FOLLOWING SCOPE OF WORK IS TO BE ADDED TO THE INVITATION TO BID  
DOCUMENT:**

1. Take the two (2) 2' x 8' wood boards off of the rear of the rear of building and dispose.
2. The attached PPG paint coating specifications are an approved alternate for this bid. The paint color must match the existing paint color.

**PLEASE ACKNOWLEDGE THIS ADDENDUM BY SIGNING BELOW AND SUBMIT IT WITH  
YOUR BID.**

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I have read and acknowledged this addendum for bid no. 20-16/17.

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Authorized Signature

---

Printed Name

---

Date

---

Company Name

County Complex  
180 N. Irby Street MSC-R, Florence, SC 29501 Telephone (843) 665-3018 Fax: (843) 664-9668





# PERMA-CRETE®

- 4-50 - Fine
- 4-60 - Medium Hard
- 4-65 - Medium Soft
- 4-70 - Coarse

Architectural Coatings

PERMA-CRETE® 100% Acrylic Texture Coatings

## GENERAL DESCRIPTION

PERMA-CRETE® 100% Acrylic Texture Coatings are specifically designed for interior and exterior, above ground, masonry, concrete, wood and metal surfaces requiring high performance textured finishes. PERMA-CRETE textured coatings provide resistance against water, UV light, staining and are breathable. They pass TT-C-555B and ASTM D6904-3 for wind driven rain. PERMA-CRETE textured coatings provide a stain resistant texture finish that is excellent for high traffic, large wall areas. These finishes are a decorative textured coating ideal for high-rise apartments and condominiums, hospitals, schools, hotels, resorts and residential homes.

## RECOMMENDED SUBSTRATES

Brick	Masonry	Plaster
Concrete	Metal	Plywood
Concrete Masonry Block (CMU)		Stucco

## CONFORMANCE STANDARDS

VOC compliant in all regulated areas  
Meets MPI #42, Textured Coating, Latex, Flat

## APPLICATION INFORMATION

Mix thoroughly with a power mixer before application and occasionally during use. When using more than one can of the same color, mix together (box) before applying. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our web site or by calling 1-800-441-9695.

**Application Equipment:** Apply by texture spray, roller or brush. Apply by professional hopper gun or brush to small areas only. When applying by roller, the final passes should be completed in a downward direction to ensure a uniform appearance. Maintain a wet edge for sheen uniformity.

**Spray:** Graco 1030 Texspray. Minimum requirements: Pressure 1000 psi, tip 3mm, flow rate 3 gal/minute. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. High pressure injection of coatings into the skin by airless equipment may cause serious injury.

**Brush:** Polyester/Nylon Brush  
**Roller:** 3/4" - 1" nap synthetic roller cover

**Thinning:** Not recommended

## APPLICATION INFORMATION (continued)

### Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

## PRODUCT DATA

<b>PRODUCT TYPE:</b>	100% Acrylic
<b>BASE/COLOR:</b>	4-50 Fine White and Mixing Base 4-60 Medium Hard White Mixing Base 4-65 Medium Soft White Mixing Base 4-70 Coarse White and Mixing Base
<b>SHEEN:</b>	Flat 0 to 3 (85° Gloss Meter)
<b>CLEANUP:</b>	Soap and Water
<b>VOLUME SOLIDS*:</b>	58% +/- 2%
<b>WEIGHT SOLIDS*:</b>	74% +/- 2%
<b>VISCOSITY*:</b>	125 to 135 KU
<b>VOC*:</b>	60 g/L (.50 lbs./gal.)

<b>COVERAGE*:</b>	100 to 136 sq. ft./gal. (9 to 14 sq. m/3.78L)
Wet Film Thickness:	11.7 mils to 16.0 mils
Wet Microns:	297 to 406
Dry Film Thickness:	6.8 mils to 9.3 mils
Dry Microns:	172 to 235

Note: To achieve wind driven rain resistance, the product must be applied as 3 coat pinhole free system @ standard coverage rate: 4-100, 4-2, and either 4-50, 4-60, or 4-65. Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

**WEIGHT/GALLON\*:** 13.9 lbs. (6.3 kg) +/- 0.2 lbs. (91 g)

\*Product data calculated on product 4-50.

<b>DRYING TIME:</b>	Dry time @ 70°F (21°C); 50% relative humidity
To Touch:	3 to 4 hours
To Handle:	24 hours
To Recoat:	12 to 16 hours

Drying times listed may vary depending on temperature, humidity, color, film build, and air movement.

**FLASH POINT:** Over 200°F (93°C)

## FEATURES AND BENEFITS

### Features

Textured Finish  
Variety of Textures  
Resists Wind Driven Rain

Water Vapor Permeance  
High Build  
Freeze/Thaw Resistance  
Excellent Application Properties  
Mildew Resistant Coating  
UV Resistance

### Benefits

Decorative Appearance / Minimizes surface imperfections  
Increased appearance options available  
Water resistance requires a 3 coat pinhole free system @ standard coverage rate: 4-100, 4-2, and either 4-50, 4-60, or 4-65  
Breathability  
Provides extra protection in fewer coats (1 coat)  
Improved quality and consistency  
Less time for application  
Mildew and fungal growth resistant paint film  
Looks like new longer

**PERFORMANCE DATA**

Property	Test Method	Results
Resistance to Wind Driven Rain	ASTM D6904-3	Passes one pinhole free coat each @ standard coverage rate: 4-100, 4-2, and either 4-50, 4-60, or 4-65.
Water Vapor Permeance	ASTM D1653	Greater than 15 perms
Mildew Resistance	ASTM D3273/74 and D5590	No growth

**GENERAL SURFACE PREPARATION**

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding. Prime all bare and porous substrates with an appropriate primer. Clean surfaces per ASTM Standard Practice D4258-83: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, power wash cleaning, steam cleaning, hand tool and mechanical cleaning are acceptable cleaning methods. Remove efflorescence by pressure washing or cleaning with dilute muriatic acid (following manufacturer's instruction) or a solution of 1 part white vinegar to 4 parts water. Rinse thoroughly and allow to dry.

Remove mildew by using PPG MILDEW CHECK® Multi-Purpose Wash, 18-1; or 1 part chlorine bleach to 3 parts water. Before use, be sure to read and follow instructions and warnings on label. Dry substrate thoroughly to a moisture content under 12%. Clean chalky paint in good condition by sweep blasting, power washing, wire brushing, etc. to remove loose material. After cleaning, powdery, chalky, and/or unpainted recommended substrates may be conditioned with a coat of PERMA-CRETE Exterior Acrylic Clear Masonry Surface Sealer 4-808, Pigmented Masonry Surface Sealer 4-809, or PERMA-CRETE Pigmented Bonding Coat 4-898.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure other hazardous substances that may be released during surface preparation.

**ALUMINUM:** This substrate may present potential adhesion problems. Any coating applied directly to aluminum should be spot applied, allowed to cure overnight, and then evaluated for adhesion. If adhesion is good, the application may proceed. Check adhesion by applying a piece of masking tape. When the masking tape is removed, if the coating peels off, the surface must be scuff sanded prior to proceeding to ensure mechanical adhesion.

**BRICK:** New brick and mortar should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming. Use of an alkali resistant primer is recommended. Painting glazed brick is not recommended due to potential adhesion problems.

**CONCRETE and MASONRY:** New concrete should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming. Use of an alkali resistant primer is recommended.

**CONCRETE/MASONRY BLOCK:** Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Use of an alkali resistant primer is recommended after application of block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

**FERROUS METAL:** The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants, and then primed with an appropriate primer for metal.

**GALVANIZED STEEL:** Caution must be used when selecting coatings for use on all galvanized metal surfaces. These substrates may have a factory-applied stabilizer, which is used to prevent white rusting during storage and shipping. Such stabilizers must be removed by either brush blasting, sanding or chemical treatment prior to priming with an appropriate primer for metal.

**PLASTER:** Plaster, hardcoat, skim coat, or other alkaline surfaces should be allowed to cure for at least 30 days and have a surface pH of less than 10 prior to priming. Use of an alkali resistant primer is recommended.

**STUCCO:** New stucco should cure for at least 7 days and preferably 30 days prior to priming and painting. The pH of the substrate must be less than 13 before priming with an alkali resistant primer. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition.

**WOOD:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed with an appropriate primer. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime.

PERMA-CRETE® 100% Acrylic Texture Coatings

Architectural Coatings

**TINTING AND BASE INFORMATION**

Refer to color formula book, computer color matching system, or automatic tinting equipment for color formulas and tinting instructions.

4-50 Fine White and Mixing Base  
 4-60 Medium Hard White Mixing Base  
 4-65 Medium Soft White Mixing Base  
 4-70 Coarse White and Mixing Base

**RECOMMENDED PRIMERS**

Aluminum	6-204, 90-712
Concrete	4-2, 4-503, 4-603, 17-921, 4-808, 4-809, 4-898
Concrete/Masonry Block	4-100, 4-2, 4-503, 4-603, 17-921
Ferrous Metal	6-208, 6-212, 90-712
Galvanized Steel	6-209, 90-712
Masonry	4-2, 4-503, 4-603, 17-921, 4-808, 4-809, 4-898
Plaster	4-603, 4-808-, 4-809, 17-921
Plywood	4-603, 17-921, 17-902

**LIMITATIONS OF USE**

Apply when air, surface and product temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point\*. Avoid exterior application late in the day when dew and condensation are likely to form or if rain is expected. Do not use on steps, walkways, or other foot or vehicle traffic areas. Not recommended for use on surfaces demonstrating hydrostatic or high vapor pressure or for immersion service.

\*Air and surface temperatures must remain above 50°F (10°C) for the next 24 hours.

PROTECT FROM FREEZING.

USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae. Examples of these conditions include, but are not limited to, under eaves, behind shrubbery and trees, and in areas that are consistently damp with little to no direct sunlight.

**PACKAGING**

5-Gallon (18.9L)

PPG Architectural Finishes, Inc. believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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PPG Canada, Inc.  
 Architectural Coatings  
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 Brampton, ON L6T 5E4

B4.6 2/2012  
 (Supersedes 10/2011)

Made in the  
**USA**



Architectural Coatings

Speedhide Interior/Exterior Masonry Latex Block Filler

GENERAL DESCRIPTION

Our better professional block filler formulated to meet the performance requirements of professional applicators. Speedhide Interior/Exterior Masonry Block Filler is designed to fill porous surfaces of cement, concrete and lightweight masonry blocks where no unusual exposure conditions of moisture, heat or humidity exist. Suitable for use beneath both interior and exterior coatings. May be topcoated with oil, alkyd or latex coatings.

TINTING AND BASE INFORMATION

Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

6-7 White

Colors can be approximated by using the section and % listed in the Voice of Color Formula Book index. Do not use colorants G, J, M, V and Z over unprimed alkali surfaces.

RECOMMENDED SUBSTRATES

- Concrete
Concrete/Masonry Block
Masonry

Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

CONFORMANCE STANDARDS

- VOC compliant in all regulated areas
Can help earn LEED® 2009 credits

PRODUCT DATA

PRODUCT TYPE: Vinyl Acrylic Latex
SHEEN: Flat
VOLUME SOLIDS: 44.4% +/- 2%
WEIGHT SOLIDS: 65% +/- 2%
VOC: <50 g/L (0.4 lbs./gal.)

APPLICATION INFORMATION

Stir thoroughly before using and occasionally during application. Material must be worked thoroughly into voids. If applied by spray, block filler must be back rolled or brushed. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

WEIGHT/GALLON: 13.3 lbs. (6.0 kg) +/- 0.2 lbs. (91 g)

COVERAGE: Approximately 100 sq. ft./gal. (9.3 sq. m/3.78L) per U.S. Gallon (3.78L) on smooth, nonporous surfaces.

Application Equipment: Apply with a high quality brush, roller, paint pad, or by spray equipment. Where necessary apply a second coat and allow each coat to dry thoroughly before applying the next coat.

Wet Film Thickness: 16 mils
Wet Microns: 406
Dry Film Thickness: 7.1 mils
Dry Microns: 183

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

Airless Spray: Pressure 1900 psi, tip 0.021" - 0.031"

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

To Touch: 1 hour
To Recoat: 4 hours
To Full Cure: 30 days

Brush: Polyester/nylon brush
Roller: Polyester/nylon roller cover

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

Thinning: No thinning is usually required. If necessary, do not exceed 1 pint (475 mL) of water per gallon (3.78L).

CLEANUP: Soap and water

Permissible temperatures during application:

Table with 3 rows: Material (50 to 90°F, 10 to 32°C), Ambient (50 to 100°F, 10 to 38°C), Substrate (50 to 100°F, 10 to 38°C)

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: Over 200°F (93°C)

FEATURES / BENEFITS

Features

- Excellent filling properties
Soap and water cleanup
Easy application
One-component
Can help earn LEED 2009 credits

Benefits

- Provides smoother surface for subsequent priming and topcoating.
Safe waterborne formula
Easy to apply and provides sheen uniformity
No component mixing required
Contributes to sustainable design

## GENERAL SURFACE PREPARATION

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**CONCRETE:** New concrete should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer.

**CONCRETE/MASONRY BLOCK:** Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

**MASONRY:** New masonry should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before painting.

## RECOMMENDED PRIMERS

Concrete	4-503, 4-603, 17-921, self-priming (after 30 days)
Concrete/Masonry Block (primers, sealers)	4-503, 4-603, 17-921, self-priming (after 30 days)
Masonry	4-503, 4-603, 17-921, self-priming (after 30 days)

## PACKAGING

5-Gallon (18.9 L)

## LIMITATIONS OF USE

Apply when air, surface and product temperatures are above 50°F (10°C) and at least 5° F (3°C) above the dew point. For exterior application avoid applying late in the day when dew or condensation are likely to form or if rain is anticipated.

Not recommended for immersion service or use below grade, or where the concrete block to be coated rests directly on an underground footer or slab in direct contact with the earth, or where moisture might penetrate the block and get behind the block filler to cause a coating failure.

Do not apply over silicone-type water repellents. Exterior applications must be topcoated.

PROTECT FROM FREEZING.

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A1.4 4/2012  
(Supersedes 1/2012)

Made in the  
**USA**





Architectural Coatings

SPEEDHIDE Interior/Exterior Rust Inhibitive Steel Primers

**GENERAL DESCRIPTION**

Recommended for properly prepared iron and steel surfaces for either interior or exterior service. *SPEEDHIDE* Rust Inhibitive Primer provides surface corrosion protection under normal exposure conditions. FOR METAL SUBSTRATES ONLY.

**TINTING AND BASE INFORMATION**

6-208	Red
6-212	White

DO NOT TINT.

**RECOMMENDED SUBSTRATES**

Ferrous Metal

**PRODUCT DATA**

<b>PRODUCT TYPE:</b>	Alkyd Resin
<b>VOLUME SOLIDS*:</b>	57% +/- 2%
<b>WEIGHT SOLIDS*:</b>	76% +/- 2%
<b>VOC*:</b>	330 g/L (2.75 lbs./gal.)
<b>WEIGHT/GALLON*:</b>	11.0 lbs. (5.0 kg) +/- 0.2 lbs. (91 g)

\*Product data calculated on product 6-212.

**COVERAGE:** Approximately 400 sq. ft./gal. (37 sq. m/3.78L) per U.S. Gallon (3.78L) on smooth, nonporous surfaces.

Wet Film Thickness:	4.0 mils
Wet Microns:	101.6
Dry Film Thickness:	2.3 mils
Dry Microns:	58.4

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

**DRYING TIME:** Dry time @ 77°F (25°C); 50% relative humidity.

To Touch:	8 hours
To Handle:	16 hours
To Recoat:	16 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

If left untopcoated for longer than 7 days, cleaning and light sanding of the surface is recommended. Allow to dry 24 hours before applying water base topcoat.

**CLEANUP:** Paint Thinner

**DANGER:** Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to [www.pittsburghpaints.com](http://www.pittsburghpaints.com), Spontaneous Combustion Advisory for additional information.

**FLASH POINT:** 106°F (41.1°C)

**FEATURES / BENEFITS**

Excellent Adhesion  
Corrosion-Resistant in Normal Atmospheric Conditions  
Performance Offset to Federal Standards TT-P-636, TT-P-0645, TT-P-0664  
6-212, MPI category #79, Primer, Alkyd, Anti-Corrosive for Metal

**APPLICATION INFORMATION**

Stir thoroughly before using and frequently during use. When using more than one can of the same color, mix together (box) before applying. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

**Application Equipment:** Apply with a high quality brush, roller, paint pad, or by airless spray equipment. Where necessary, apply a second coat.

**Conventional Spray:** Graco 210-961 Series A or equivalent. 0.070" (1.78 mm) cap, 0.061" (1.55 mm).

**Airless Spray:** Pressure 2000 psi - 2600, tip 0.015" - 0.023" Hose diameter: 1/4" maximum length 50 feet, rise from pump 20-50 feet.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

**Brush:** High quality Polyester/Nylon brush

**Roller:** High quality nap roller cover

**Thinning:** DO NOT THIN.

**Permissible temperatures during application:**

Material:	60 to 90°F	16 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 130°F	10 to 54°C



## GENERAL SURFACE PREPARATION

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. The service life of the coating is directly related to the surface preparation. Surface must be clean, dry and free from dirt, loose paint, oil, grease, wax, rust, loose mill scale and other contamination. Remove oil and grease by solvent cleaning. Sand all slick or glossy surfaces. Minimum surface preparation: SSPC-SP-2, Hand Tool Cleaning. Recommended surface preparation: SSPC-SP 6 Commercial Blast. Anchor pattern requirement 1.0 to 1.5 mils suitable for a thin film alkyd system. For most direct-to-metal applications, brushing may improve adhesion to the surface. Primer should not be left untopcoated for an extended period of time. Finish coats should be applied as soon as possible after primer has dried. If the primer is left untopcoated for longer than 7 days, cleaning and light sanding of the surface is recommended. On exterior surfaces, remove and inhibit regrowth of mildew by using PPG MILDEW CHECK® Multi-Purpose Wash, 18-1. Before use, be sure to read and follow the instructions and warnings on the PPG MILDEW CHECK® Multi-Purpose Wash label.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**FERROUS METAL:** The recommended surface preparation is Commercial Blast Clean per SSPC-SP6. The minimum surface preparation is Hand Tool or Power Tool Clean per SSPC-SP2 or SP3.

## LIMITATIONS OF USE

Apply when air and surface temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior application late in the day when dew and condensation are likely to form or if rain is expected. Not intended for use as a finish coat or for immersion service.

Not recommended for use on floors.

## PACKAGING

1-Gallon (3.78 L)  
5-Gallon (18.9 L)

The PPG logo is a registered trademark of PPG Industries Ohio, Inc. *SPEEDHIDE* is a registered trademark of PPG Architectural Finishes, Inc. The *Master Painters Institute* and *MPI* are registered trademarks of Master Painters Institute, Inc.

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Technical Services  
1-800-441-9695  
1-888-807-5123 fax

Architect/Specifier  
1-888-PPG-IDEA

PPG Architectural CoatingsCanada, Inc.  
4 Kenview Boulevard  
Brampton, ON L6T 5E4

D3 1/2014  
(Supersedes 8/2010)



Architectural Coatings

PPG SEAL GRIP Interior/Exterior Alkyd Universal Primer/Sealer

GENERAL DESCRIPTION

Our best professional interior / exterior alkyd primer formulated to meet the performance requirements of residential and commercial markets. SEAL GRIP Interior/Exterior Alkyd Universal Primer/Sealer provides both excellent adhesion to a wide range of surfaces and stain blocking over a variety of common stains including water, nicotine, smoke, ink, markers, and wood tannin stains. It can be recoated in 4 hours, and unlike other fast dry oil primers, it is suitable for all exterior surfaces.

RECOMMENDED SUBSTRATES

Brick	Masonry
Cement Composition Board	Plaster
Concrete/Masonry Block	Stucco
Gypsum Wallboard-Drywall	Wood

CONFORMANCE STANDARDS

Meets MPI® Category #5, Primer, Alkyd/Oil for Exterior Wood  
Meets MPI Category #69, Primer, Bonding, Solvent Based

APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. Spread evenly and quickly, keeping the leading edge wet. Avoid reworking previously painted areas. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

**Application Equipment:** Apply with a high quality brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat.

**Airless Spray:** Pressure 1800 - 2400 psi, tip 0.015" - 0.019"  
Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

<b>Brush:</b>	Natural Bristle Brush
<b>Roller:</b>	High Quality Roller Cover
<b>Thinning:</b>	DO NOT THIN

Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 90°F	10 to 32°C
Substrate:	50 to 90°F	10 to 32°C

TINTING AND BASE INFORMATION

Refer to the appropriate color formula book, automatic tinting equipment and or computer color matching system for color formulas and tinting instructions.

17-941NF White (Tintable)

Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

May be tinted to approximate the color of the topcoat.

PRODUCT DATA

<b>PRODUCT TYPE:</b>	Alkyd
<b>VOLUME SOLIDS:</b>	56% +/- 2%
<b>WEIGHT SOLIDS:</b>	74% +/- 2%
<b>VOC:</b>	341 g/L (2.2 lbs./gal.)

**WEIGHT/GALLON:** 11 lbs. (4.9 kg) +/- 0.2 lbs. (91 g)

**COVERAGE:** Approximately 400 sq. ft./gal. (37 sq. m/3.78L) per U.S. Gallon (3.78 L) on nonporous surfaces.

Wet Film Thickness: 4.0 mils

Wet Microns: 102

Dry Film Thickness: 2.2 mils

Dry Microns: 57

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

**DRYING TIME:** Dry time @ 77°F (25°C); 50% relative humidity.

To Touch: 30 - 60 minutes

To Recoat: 4 - 6 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

**CLEANUP:** Use a high quality paint thinner immediately.

**DANGER:** Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.ppgpittsburghpaints.com, Spontaneous Combustion Advisory for additional information.

**DISPOSAL:** Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

**FLASH POINT:** 110°F (43.3°C)

FEATURES AND BENEFITS

Features

- Interior/exterior formula
- Excellent adhesion
- Low odor alkyd
- Stain blocking
- Great for fire and water damage

Benefits

- Whole house primer
- Adheres to a wide range of substrates
- Less than traditional alkyds
- Great at blocking out most stains - water, smoke, ink, markers, and tannins
- Perfect for restoration use

**GENERAL SURFACE PREPARATION**

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding. Remove mildew by using PPG MILDEW CHECK® Multi-Purpose Wash, 18-1; or 1 part chlorine bleach to 3 parts water. Before use, be sure to read and follow the instructions and warnings on the label. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**BRICK:** New brick and mortar should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer. Painting glazed brick is not recommended due to potential adhesion problems.

**CEMENT COMPOSITION BOARD:** Cement composition board may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 30 days prior to priming and painting. The pH of the substrate must be less than 10 and the moisture content must be less than 12% prior to priming and topcoating. All cracks and opens seams should be caulked to prevent water penetration. Pre-primed board from the manufacturer may not be uniformly or completely sealed.

**CONCRETE/MASONRY BLOCK:** Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

**MASONRY:** New masonry should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer.

**PLASTER:** Plaster, hardcoat, skim coat, or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer.

**GYPHUM WALLBOARD-DRYWALL:** Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth and cleaned to remove any dust, then primed prior to painting the substrate.

**STUCCO:** New stucco should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition.

**WOOD:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed. Any knots or resinous areas must be sealed before priming. Countersink all nails, putty flush with surface, then prime.

**LIMITATIONS OF USE**

Apply only when air and surface temperatures are above 50°F (10°C) and when the air and surface temperatures will remain above 50°F (10°C) for the next 24 hours. Avoid exterior application late in the day when dew and condensation are likely to form or when rain is anticipated.

Do not use on solvent sensitive stains such as asphalt and tar. This product must be topcoated. The pH of the substrate must be less than 10 before priming. Extended period before topcoating may affect performance. Severe stains may require two coats of primer. Tinted primer may require additional drying time. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.**

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae. Examples of these conditions include, but are not limited to, under eaves, behind shrubbery and trees, and in areas that are consistently damp with little to no direct sunlight.

**PACKAGING**

Quart (946 mL)  
1-Gallon (3.66 L)  
5-Gallon (18.9 L)

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PPG Architectural Coatings Canada, Inc. A1.24 8/2013  
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(Supersedes 1/2012)

Made in the  
**USA**



PPG Architectural Coatings

TOP GUN® 300 Elastomeric Siliconized Acrylic Sealant

**GENERAL DESCRIPTION**

TOP GUN® 300 Elastomeric Acrylic Sealant is a premium grade sealant that forms a flexible, durable, airtight, water-resistant seal that offers exceptional protection from environmental conditions and features high elongation and superior recovery. TOP GUN 300 is designed to be used on some of the most difficult applications, including crown molding, windows/doors, baseboards, pipes/vents, brick/masonry, siding/trim, drywall, countertops, glass, tuck pointing.

**RECOMMENDED USES**

Windows and Doors  
Siding and Trim  
Sinks and Counters  
Hardboard and Flashing  
Stucco and EIFS  
Penetrations  
Crown Molding

**FEATURES / BENEFITS**

60 year warranty  
Exceptional Adhesion  
Excellent Flexibility  
Paintable  
Interior/Exterior  
TT-S 00230 Performance

**LIMITATIONS OF USE**

Not designed for use in engineered "expansion joints." Do not apply when rain is expected on exterior applications within 8 hours. Not recommended for applications below grade or where water may stand, or for traffic bearing surfaces. For deep cracks, always use closed-cell backer-rod. Do not use in cracks larger than 1/2" x 1/2." Not for food contact surfaces. NOTE: Painting the sealant before the recommended dry time may result in cracking. PROTECT FROM FREEZING.

**PRODUCTS**

1416 White

**PRODUCT DATA****Data below is based on White 1416.**

**Product Type:** Siliconized acrylic  
**VOC (actual)** 1%  
**Volume Per Tube:** 10.1 oz.  
**Weight Per Gallon:** 13.1 lbs.  
**Solids by Weight:** 82% minimum  
**Elongation:** Excellent  
**Freeze/Thaw:** 5 Cycles  
**Adhesion:** Excellent

Dry Time to Paint@ 70°F / 50% relative humidity):

Latex Paint: 4 to 6 hours

Oil Base Paint: 4 to 6 hours

(Expect longer dry times at lower temperatures and higher relative humidity.)

**Estimated Coverage:** 1/8" x 1/4" bead - 60 linear feet per tube  
1/4" x 1/4" bead - 30 linear feet per tube.

**Clean Up:** Clean spills immediately with clean water and a soft cloth. Clean tools immediately after use with clean water.

**Flash Point:** >200°F (>93°C)

**ASTM Specification:** Exceeds Federal Specs TT-00230C, Type S, Class B; ASTM C-920, Grade NS, Class 12.5 and ASTM C-834, Type OP, Grade - 18°C.

Note: This product is not formulated with lead or mercury containing materials.

PPG Architectural Coatings

TOP GUN® 300 Siliconized Acrylic Sealant

## GENERAL SURFACE PREPARATION

Where applicable, remove old sealant or caulking. Thoroughly dry the joints or surfaces, where the TOP GUN 300 will be applied. Remove all dirt, dust, oil, mildew, loose paint or other contaminants. For maximum adhesion, dull glossy surfaces. Bare surface should be primed before caulking.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

## DIRECTIONS FOR USE

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

### Permissible temperatures during application:

Temperature Range:      Air and surface  
                                    40°F to 110°F (43.3°C)  
                                    Optimum product temperature  
                                    60°F to 80°F (16°C to 27°C)

Dew Point:                 Surface must be at least 5°F (3°C) above the dew point.

**Application Information:** Install backer-rod uniformly into deep cracks to control sealant depth. For cracks up to 1/2 inch wide, set the backer-rod from 1/4 to 1/2 inch deep. Bond breaker tape may be used for joints not deep enough for backer-rod. Use a non-gassing foam backer rod or bond breaker tape to avoid 3 point adhesion.

Cut nozzle at a 45° angle.

Fill joints and cracks by holding the nozzle in the opening and filling completely from the bottom up. Cured bead should be between 1/8" and 1/2". Smooth immediately with a damp sponge or towel, or other tool as required.

Remove excess material with a wet cloth.

Dry excess sealant may be cut away.

## SHIPPING

**Freight Classification:** PAINT OR PAINT RELATED MATERIAL

**Packaging:** 12-10.1 Ounce Tubes per carton

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Technical Services  
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1-888-PPG-IDEA

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No.1416 5/2009  
(Supersedes 1/2008)



PPG Architectural Coatings

**GENERAL DESCRIPTION**

ACRI-SHIELD Semi-Gloss Exterior Acrylic Paint No. PP649 Series is a premium quality, 100% acrylic semi-gloss house paint. The advanced formula can be used in both normal and marginal, above freezing conditions when a low temperature cure is required to form a proper film. It can be used for all types of new or previously painted commercial, institutional and residential exterior wood and masonry surfaces such as siding, trim, eaves, facias, shutters, fences, properly prepared brick, block, stucco and concrete surfaces, vinyl, primed metals and metal siding, vinyl siding and trim, etc. It can be used over both latex and alkyd paints.

**RECOMMENDED SUBSTRATES**

Wood siding, trim	Concrete
Manufactured siding	Concrete block (CMU)
Vinyl siding, trim	Stucco
Brick	Fiber cement siding

**FEATURES / BENEFITS**

<b>Features</b>	<b>Benefits</b>
100% Acrylic	Excellent weather resistance
Application down to 35°F	Extends painting season
Resists surfactant leaching	Minimizes water spots, streaks, hazing and blistering
Fade and chalk resistant	Colors stay true
Good touch up	Maintains appearance
Easy soap and water cleanup	No solvent disposal issues
Mildew resistant*	

\*This paint contains agents which inhibit the growth of mildew on the surface of the paint film.

**RECOMMENDED SYSTEMS**

ACRI-SHIELD Semi-Gloss Exterior Acrylic Paint No. PP649 series can be applied to a wide variety of primed substrates. Finish the following primed surfaces with one or two coats of ACRI-SHIELD Semi-Gloss Exterior Acrylic Paint No. PP649 series:

<b>SUBSTRATE</b>	<b>TYPICAL PRIMERS</b>
<b>Wood, New:</b>	PP335, PP515, 17-921
<b>Wood, New Bleeding:</b>	PP515, 17-941, 17-921
<b>Wood, Chalky Areas:</b>	PP515
<b>Hardboard:</b>	PP335
<b>Masonry, Concrete Block:</b>	95-217, 16-90, 4-100
<b>Poured Concrete, Stucco, Brick:</b>	4-898, 4-808, 4-809, 4-603
<b>Fiber Cement:</b>	4-603, 4-503
<b>Metal, Steel:</b>	90-712, 90-912, 7-852, 97-680, 6-208, 6-212
<b>Galvanized:</b>	90-712, 90-912, 6-209
<b>Weathered Aluminum:</b>	7-852, 97-680, 90-712, 90-912, 17-941, 17-921
<b>Vinyl Siding**:</b>	17-921

\*\*NOTE: Do not paint vinyl with colors darker than the original vinyl color to prevent heat warping.

ACRI-SHIELD® Semi-Gloss Exterior Acrylic Paint

**TINTING AND BASE INFORMATION**

Refer to the appropriate color formula book, automatic tinting equipment and/or computer color matching system for color formulas and tinting instructions.

PP640	White	PP644	UD Base*
PP648	Deep Base*	PP649	Light Base*

\*Must be tinted before use.

Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

**PRODUCT DATA**

Data below is based on White PP640.

**Product Type:** Acrylic  
**Gloss, 60°:** Semi-Gloss (Typical range: 30 - 40)

**Percent Solids:**  
**Weight:** 46 ± 2%  
**Volume:** 35 ± 2%  
**VOC (untinted):** 144 g/L (1.2 lbs./gal.)

**Weight/Gallon:** 10.3 lbs.  
**Viscosity (Initial):** 98 - 103 Krebs Units  
**Thinner:**

**Brush/Roller:** If necessary, thin sparingly with clean water up to ½ pint per gallon.  
**Spray:** Thin with clean water up to ½ pint per gallon.

**Recommended Film Thickness:**

**Wet:** 4.0 mils  
**Dry:** 1.4 mils

**Spread Rate (Theoretical):**

**Smooth Surfaces:** Up to 400 sq. ft./gal.  
**Rough Surfaces:** 200-250 sq. ft./gal.

Coverage does not include variation due to application methods, surface porosity, and/or mixing.

<b>Dry time (@ 50% R.H.):</b>	<b>@35°F</b>	<b>@70°F</b>
<b>To Touch</b>	4 hours	1 hour
<b>To Recoat:</b>	24 hours	4 hours
<b>Full Service:</b>	15-30 days	15-30 days

(Drying times listed may vary depending on temperature, humidity, color, film build and air movement.)

**Cleanup:** Warm, soapy water  
**Flash Point:** >200°F (>93°C)

**APPLICATION INFORMATION**

**Application Equipment:** Apply with a high quality brush, roller, or by spray equipment.

**Airless Spray:** Minimum 1 gallon per minute pump; .015"-.019" tip; 1800-2400 psi; 1/4" High Pressure material hose. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

**Brush:** Use nylon or polyester bristle brushes.  
**Roller:** Use 3/16" to 3/4" synthetic roller covers.

**Thinning:** Thin sparingly as necessary with clean water up to ½ pint per gallon.

**Cleanup:** Clean tools and spray equipment with warm, soapy water immediately after use.



**GENERAL SURFACE PREPARATION**

Paint only clean, dry (may be damp, but not dripping), deglossed and profiled surfaces. Remove dirt, oils, grease, wax, form oils, release agents, sanding dust, paint remover, etc. with PREP125 DURAPREP® WB Cleaner & Degreaser, Dirtex and water, PPG Paint Thinner No. 5132 or other appropriate cleaners, or by vacuuming as necessary. Remove mildew by washing with PPG MILDEW CHECK® Multi-Purpose Wash 18-1 or a mix of 1 part chlorine bleach to 3 parts clean water (rinse thoroughly after 15 minutes).

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**NEW WOOD:** Repair construction defects, sand as necessary and prime new wood. After primer is dry, fill openings and nail holes with TOP GUN® 200 Siliconized Acrylic Caulk No. 1414, or other suitable sealant. Spot prime the caulk when well set, usually 1-4 hours. Spot prime knots and sap streaks with SEAL GRIP® Premium Quick Dry Primer/Sealer No. 17-964 or shellac.

**REPAINT:** Remove loose and failing paint by power washing, hand scraping or power tool cleaning and sand edges smooth when applicable. Fill holes and gouges in wood and other substrates with wood patch or filler, etc. as appropriate. Sand patched areas smooth as necessary before priming bare areas and patches. **NOTE:** Always prime chalky paints and surfaces with an appropriate PPG penetrating primer.

**NEW CONCRETE/MASONRY/STUCCO:** Let new concrete, masonry and stucco cure 28 days before painting. (NOTE: Polymer modified thin coat stucco can usually be painted within 7-14 days depending upon drying conditions and surface pH. Follow stucco manufacturer's instructions.) Remove any remaining deeply embedded contaminants such as curing compounds by abrasive blasting. Remove efflorescence by pressure washing or with a dilute muriatic acid solution following manufacturer's instructions. (CAUTION: When mixing and using, always add acid to water, and wear appropriate eye and skin protection.) Fill cracks and holes with appropriate filler. For new concrete block (CMU), apply an appropriate PPG block filler (SEE RECOMMENDED SYSTEMS) before painting.

**ALUMINUM AND VINYL SIDING:** Siding may present potential adhesion problems. Siding must be properly aged and cleaned prior to painting. Topcoat should be spot applied, allowed to cure overnight, then evaluated for adhesion. If adhesion is good, the application may proceed. One way to check adhesion is by applying a piece of masking tape to test the topcoat. If the topcoat peels off easily, the surface must be scuff sanded prior to proceeding to ensure mechanical adhesion. For vinyl, do not paint with a color darker than the original vinyl siding due to potential warping.

**DIRECTIONS FOR USE**

Stir thoroughly before using and occasionally during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

**Permissible temperatures during application:**

**Temperature Range:** 35°F to 110°F (air, surface, paint)  
(Optimum paint temperature 65-85°F)

**Dew Point:** Surface temperature must be at least 5°F above the dew point.

**Relative Humidity:** Maximum 85%

**New Work:** Apply a uniform coat of appropriate primer or block filler per primer data sheet instructions (SEE RECOMMENDED SYSTEMS) at the millage specified for the application. Finish with one or more coats of ACRI-SHIELD Semi-Gloss Exterior Acrylic Paint No. PP649 series.

**Repaint:** Spot prime bare areas as required with an appropriate primer (SEE RECOMMENDED SYSTEMS), then apply one or more coats of ACRI-SHIELD Semi-Gloss Exterior Acrylic Paint No. PP649 series.

**LIMITATIONS OF USE**

Apply only when air, product and surface temperatures are above 35°F, and will remain above 35°F for 24 hours after application. Do not apply in direct sunlight in hot weather, or when air or surface temperature is above 110°F. Surface temperature must be at least 5°F above dew point. Do not apply in late afternoon if condensation, fog, rain or snow is likely to occur within 4 hours at higher curing temperatures or 8-24 hours at low curing temperatures. For optimum application properties, bring material to 65 - 85°F temperature range prior to application. Use for service below 150°F. Do not use on floors or deck walking surfaces. PROTECT FROM FREEZING. While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae. Examples of these conditions include, but are not limited to, under eaves, behind shrubbery and trees, and in areas that are consistently damp with little to no direct sunlight.

**SHIPPING**

**Freight Classification:** PAINT OR PAINT RELATED MATERIAL

**Packaging:** 6 Quarts per carton; 4 Gallons per carton; 5-Gallon Pail

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# Peel Bond®

**High Build, Water Based, Bonding  
# 1146 Bonding Primer/Sealer  
Dries to a Hazy Clear**

## Applications:

**For Priming**

**Wood  
T-111 Siding  
Plywood  
Hardboard**

**As Well As . . .**

**Stucco  
Brick  
Fiberglass  
Aluminum  
Galvanized  
PVC Plastic  
Previous Paint**

## Features and Benefits:

**High Build  
Water Based  
Soap & Water  
Clean up  
Low Odor  
Clear (Hazy)  
Primes and Seals  
Helps Bond Paint  
Compatible With:  
Latex Paints Only  
Cures at Temp. as  
Low as 40°F  
Surface Temp.  
Cure at Humidity up  
to 90%**

**( Master Painters Institute )  
MPI Green Certified; GPS-1  
MPI #17, E2**

## Product Description:

XIM's Peel Bond is a unique, high build, water-based, penetrating, bonding primer/sealer. It is formulated to bond-to and seal a wide range of construction materials. It can reduce the cracking and peeling or the top coat paint by remaining flexible over the life of the paint. It can help reduce the time spent on surface Preparation, however, it is not a complete substitute for all surface preparation and all surface conditions.

### Using XIM's X-STAY™ TECHNOLOGY

Now Peel Bond can be applied 33% Thicker. Apply up to 40 mils wet without running or sagging. For even better sealing and filling !

**Product Use:** Peel Bond is an ideal prime coat for wood, plywood, hardboard and T1-11 siding, as well as other architectural construction materials including: stucco, brick, aluminum, galvanized metal, fiberglass, PVC plastic and PVC siding, and previously painted surfaces.

**Note:** Peel Bond will not reattach loose or peeling paint, which must first be removed to a sound, stable surface. Peel Bond will not resolve underlying moisture problems inherent in or behind the substrate.

**Note:** Peel Bond can help fill and level rough surfaces, however it is not intended as a replacement for wood fillers, caulk or drywall mud.

<b>Packaging Data:</b>	<b>Peel Bond #1146</b>	
Gallons	- 4 per carton	#1146-1
Quarts	- 6 per carton	#1146-2
Pails	- 5 gallon capacity	#1146-6

**Product Preparation:** Apply directly from the can, no thinning is required. If thinning is desired, use XIM's Latex X-Tender. If tinting is desired, use up to 2 ounces of universal tint per gallon. Do not exceed 2 ounces of tint per gallon. It can also be tinted by adding small quantities of the Top Coat latex paint (½ Pint per gallon) to provide an opaque, guide coat. Mix or shake well before application.

**Product Storage:** Not to exceed 110° F.

**Surface Preparation:** Be sure the surface is clean and dry, free from dust, grease, wax, oil, and other surface contaminants. Clean with a strong detergent, rinse and allow to dry. Remove all loose and peeling paint. The surface should be a sound, stable surface. Spot prime areas that require extra filling. The moisture content of wood should be below 15% at application. Moldy or mildewed surfaces should be scrubbed with a mixture of one part of household bleach and three parts of water, then thoroughly rinsed with clean water and allowed to dry. Rotted wood should be replaced.



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**Application:** Apply by synthetic fiber brush, synthetic roller or by spray. Can be applied at temperatures as low as 40° F. It can also be applied in high humidity conditions, up to 90% relative humidity. Under standard conditions, 77° F and 50% RH, Peel Bond will dry to touch in about 30 minutes. Thicker coats will take longer to dry. It can be top-coated in 40-60 minutes, under normal conditions. Peel Bond goes on white and dries to a hazy, clear. Once it has turned to the hazy, clear, it is ready to recoat or topcoat. It can be heavily applied, but do not exceed 25-30 mils wet film per application. Coverage will vary between 50 to 200 square feet per gallon, depending on dry film thickness.

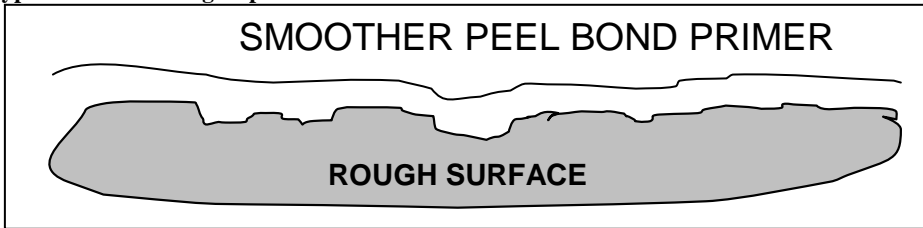
**BRUSH:** Synthetic fiber brush designed for latex paints is recommended. Apply thickly.

**ROLL:** ½ inch nap synthetic fiber roller cover designed for latex paints. Roll in one direction.

**SPRAY:** 0.015 to 0.019 tip is recommended and 1200 psi. Sprays well with most sizes of spray equipment.

**Clean Up:** Clean up with soap and water immediately after use.

**Type of Surface filling Expected:**



**NOTE:** Remove all loose and peeling paint. The surface should be a sound, stable surface. Spot prime areas that require extra filling. The moisture content of wood should be **Below 15%** at application.

Always test a small area first for adhesion and topcoat compatibility. If you have a question about suitability for specific surfaces or specific topcoats, contact our XIM Technical Service Staff. Top coat with exterior latex paints and elastomeric coatings only. Since Peel Bond remains flexible, do not topcoat with alkyds or other paints that dry to a hard finish, such as epoxies or urethanes.

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Physical/Chemical Data:**

**Peel Bond # 1146**

Weight per Gallon :	8.92 lb/gallon
Viscosity	120-130 KU
Spreading Rate	50 – 200 Square Feet per Gallon Depending on dry film thickness
Application Conditions	40° F to 100° F (Mix or Agitate before Use)
Drying Schedule: (ASTM D1640)	to touch: Generally 30 min. to top coat: 40 - 60 minutes @ 77° F and 50% RH
VOC :	Less than 100 g/l, 0.83 lb/gal.
Recommended Film Thickness:	Approximately 30 mils WFT dries to approximately 10mils DFT
Flexibility :	Excellent
Cross Hatch Adhesion:	No loss
Gloss (60 deg, gloss meter):	Low Luster
Top Coats Recommended:	Latex Paints and Elastomeric Paints Only
MPI Approved	MPI # 17, E2; Green Certified; GPS-1

**Caution:** Keep from freezing. Do not take internally. Use only with adequate ventilation. If you experience eye watering, headache or dizziness wear appropriate, properly fitted respirator (NIOSH approved) during application. Follow respirator manufacturer’s directions for use. Avoid contact with eyes. Wash thoroughly after handling.

**FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush with plenty of water for at least 15 minutes and get medical attention immediately. **KEEP OUT OF REACH OF CHILDREN**

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Limited Warranty:** This product is made to the highest standards in order to provide you with consistently optimum results. If this product fails to perform as specified herein, XIM will furnish an equivalent amount of replacement product, or will refund the purchase price upon proof of purchase. XIM will not be liable for any indirect or consequential damages. This warranty does not include labor or the cost of labor for the application or removal of any paint or primer. There are thus no warranties of fitness or merchantability beyond that provided above. This warranty gives you specific legal rights which may vary from state to state.