



GENERAL DESCRIPTION

ACRI-SHIELD LTC SATIN Low Temperature Exterior Acrylic House Paint No. PP599 Series is a premium quality, exterior, 100% acrylic, low temperature curing, satin house paint. It is used in marginal, above freezing, conditions for all types of new or previously painted commercial, institutional and residential 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. Apply at temperatures 35°F to 110°F.

RECOMMENDED USES

- Wood siding, trim
- Manufactured siding
- Vinyl siding, trim
- Brick
- Concrete
- Concrete block (CMU)
- Stucco
- Fencing, shutters

FEATURES / BENEFITS

- Application down to 35°F. Extends painting season
- 100% acrylic. Excellent weather resistance
- Non-yellowing. Colors stay true
- Easy soap & water clean-up. No solvent disposal issues.
- Mildew resistant*

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

RECOMMENDED SYSTEMS

ACRI-SHIELD LTC SATIN Low Temperature Exterior Acrylic House Paint No. PP599 series can be applied to a wide variety of primed substrates. Finish the following primed surfaces with one or two coats of ACRI-SHIELD LTC SATIN Low Temperature Exterior Acrylic House Paint No. PP599 series:

SUBSTRATE	TYPICAL PRIMERS*
Aluminum, Bare:	PP276, PP286, PP296
Aluminum Siding,	
Good condition:	PP515, self-prime
Badly weathered:	PP565, PP898, PP74130
Copper:	PP276, PP286, PP296
Exterior Sheathing (Overheads):	PP515, PP565, PP74130
Manufactured Siding (follow mfr's instruction):	PP515, PP565, PP898, PP74130
Masonry	
Brick & Concrete:	PP898 (also PP6010, PP6015 above 50°F)
Concrete Block (CMU):	PP222 (also PP896, PP9203 above 50°F)
Repaint:	PP515, PP565, PP898, PP74130, self-prime
Steel, Iron:	PP276, PP286, PP290, PP296, PP299
Steel, Galvanized:	PP290, self-prime
Stucco, Cement Plaster:	PP898, (PP6010, PP6015 above 50°F)
Vinyl Siding**:	PP515, self-prime
Wood:	PP515, PP565, PP74130

*NOTE: First coat on porous substrates is always thinned 10-20% to aid penetration.

**NOTE: Do not paint vinyl with colors darker than the original vinyl color.

TINTING AND BASE INFORMATION

Tint with Porter DESIGN SPECTRUM® Colorants per label directions.

- PP595 White base
- PP599 Light base
- PP598 Deep base
- PP594 Ultra Deep base

PRODUCT DATA

Data below is based on White base.

Product Type: Acrylic
Sheen, 60°: Satin (Typical range: 10 -16)
Reflectance: 90 ± 1%
Percent Solids:
 Weight: 50 ± 2%
 Volume: 35 ± 2%

VOC (theoretical):
As supplied (untinted): 1.11 lb/gal (133 g/l)

Weight/Gallon: 10.8 lb
Viscosity (Initial): 88 - 93 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.
Clean-up: Warm, soapy water.
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.
Dry time (@ 50% R.H): @35°F. @ 70°F.
 To Touch: 3 hours 30 minutes
 To Recoat: 24 hours 4 hours
 Full Service: 15-30 days 15-30 days

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

Flash Point: Not Applicable

Flame Spread Rating: Class A (0-25)

(See Porter Technical Bulletin No. 9: Flame Spread Rating.)

Federal Specification Crossover: TT-P-19D

(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)

LIMITATIONS OF USE

Apply only when product, air 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 8-12 hours at low curing temperatures. For optimum application properties, bring material to 65-85°F (18-29°C) temperature range prior to application. Use for service below 150°F. Do not use on floors or deck walking surface. Protect from freezing.

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 PORTERPREP™ Heavy Duty Cleaner No. PP571, Dirtex and water, Porter Paint Thinner No. 5132 or other appropriate cleaners, or by vacuuming as necessary. Remove mildew by washing with a commercial mildew remover such as X-14 Mildew Remover or a mix of 1 part chlorine bleach to 3 parts clean water (rinse thoroughly after 15 minutes). NEW WOOD: Repair construction defects, sand as necessary and prime new wood. After primer is dry, fill openings and nail holes with TOP GUN™ 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 STA-KIL™ Primer/Sealer No. PP164 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 Porter penetrating primer such as ACRI-SHIELD Bonding Primer No. PP515, EASY HIDE™ House Paint Primer No. PP565, PORTERLOCK™ Pigmented Bonding Coat No. PP898, or, if temperatures allow, PORTERLOCK WB Acrylic Pigmented Sealer No. PP6010 or PORTERLOCK WB Acrylic Clear Sealer No. PP6015.

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. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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. 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 Bondex Concrete Patch or other appropriate filler. For new concrete block (CMU), apply an appropriate Porter block filler (SEE RECOMMENDED SYSTEMS) before painting.

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 LTC SATIN Low Temperature Exterior Acrylic House Paint No. PP599 series.

Repaint: Spot prime bare areas as required with an appropriate primer (SEE RECOMMENDED SYSTEMS), then apply one or more coats of ACRI-SHIELD LTC SATIN Low Temperature Exterior Acrylic House Paint No. PP599 series.

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 3/8" to 3/4" synthetic roller covers.

Thinning: Thin sparingly as necessary with clean water up to 1/2 pint per gallon.

Clean-up: Clean tools and spray equipment with warm, soapy water immediately after use. Clean-up:

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 Gallons per carton; 5-Gallon Pail

Shipping Weights: 11.6 lb/gal (47.5 lb/carton); 57.1 lb/5-gal

PPGAF 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.



PPG/Porter Paints
400 South 13th Street
Louisville, KY 40203
www.porterpaints.com

Technical Services
1-800-332-6270

Architect/Specifier:
1-888-PPG-IDEA

PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272
www.ppg.com



No. PP599 series
(Rev 10/06)