PPG Architectural Coatings

ACRI-SHIELD® Exterior Acrylic Paint Satin

GENERAL DESCRIPTION

ACRI-SHIELD Satin Exterior Acrylic Paint PP38010 Series is a premium quality, 100% acrylic satin 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

Features	Benefits
100% Acrylic	Excellent weather resistance
Self priming in most applications	Saves time and money
Application down to 35ºF	Extends painting season
Resists surfactant leaching	Minimizes water spots, streaks, hazing
Fade and chalk resistant	Colors stay true
Easy soap and water cleanup	No solvent disposal issues

Mildew resistant paint film*

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

RECOMMENDED SYSTEMS

ACRI-SHIELD Satin Exterior Acrylic Paint PP38010 series can be applied to a wide variety of primed substrates. Finish the following primed surfaces with one or two coats of ACRI-SHIELD Satin Exterior Acrylic Paint PP38010 series:

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

This product is self-priming in most applications. For substrates such as tannin bleeding and bare wood, alkaline and chalky masonry, and bare metal the appropriate high quality or specialty PPG primer is recommended.

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.

PP38010	White/Pastel Base
PP38020	Midtone Base*
PP38030	Deeptone Base*
PP38040	Ultra Deep 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 / Pastel PP38010.

Product Type:	Acrylic
Gloss, 60º:	Satin
Percent Solids:	
Weight:	51 ± 2%
Volume:	38 ± 2%
VOC (untinted):	< 50 g/L (< 0.4 lbs./gal.)
Weight/Gallon:	10.5 lbs. (4.6 kg) +/- 0.2 lbs. (91 g)
Recommended Film Thickness:	
Wet:	4.0 mils
Dry:	1.5 mils
Spread Rate (Theoretical):	
Smooth Surfaces:	Up to 400 sq. ft./gal.
Rough Surfaces:	200-250 sq. ft./gal.

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

Dry time (@ 50% R.H.):	**@35ºF**	**@70ºF**
To Touch	4 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, film build and air movement.)

Cleanup:	Warm, soapy water
Flash Point:	>200ºF (>93ºC)

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 if necessary with clean water up to 1/4 pint per gallon.

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

GENERAL SURFACE PREPARATION

Paint only clean, dry sound surfaces. Glossy surfaces should be deglossed and profiled to ensure proper mechanical adhesion. Remove dirt, oils, grease, wax, efflorescence, 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 contact time and allow to dry thoroughly. Remove efflorescence by pressure washing or cleaning with dilute muriatic acid (following manufacturer's instructions) or a solution of 1 part white vinegar to 4 parts water. Rinse thoroughly and allow to dry. 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 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 recommended primers for sealing bleeding wood substrates.

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.

CONCRETE/MASONRY/STUCCO: 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 and moisture content. 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 muriatic acid, always add acid to water, and wear appropriate eye and skin protection.) Efflorescence may also be removed using a solution of 1 part white vinegar to 4 parts water. Always rinse surface thoroughly after cleaning and allow to dry thoroughly. Fill cracks and holes with appropriate filler. For new concrete block (CMU), apply an appropriate PPG block filler (SEE RECOMMENDED SYSTEMS) before painting.

FIBER CEMENT: Fiber cement siding and trim 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 13 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. It is recommended that an alkali resistant primer be applied to ensure complete and uniform sealing prior to topcoating.

ALUMINUM AND VINYL: These substrates may present potential adhesion problems. Siding and trim 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. Use SidingSafe™ Color Technology from PPG when painting vinyl and similar plastics darker than the original color. For color selection information, call 1-800-441-9695.

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:	35ºF to 110ºF (air, surface, paint) (Optimum paint temperature 65-85ºF)
Dew Point:	Surface temperature must be at least 5ºF 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 Satin Exterior Acrylic Paint PP38010 series.

Repaint: Spot prime bare areas as required with an appropriate primer (SEE RECOMMENDED SYSTEMS), then apply one or more coats of ACRI-SHIELD Satin Exterior Acrylic Paint PP38010 series.

LIMITATIONS OF USE

Apply only when air, product and surface temperatures are above 35ºF, and will remain above 35ºF for 24 hours after application. Do not apply in direct sunlight in hot weather, or when air or surface temperature is above 110ºF. Surface temperature must be at least 5ºF above dew point. Avoid exterior application late in the day when dew and condensation are likely to form or if rain or snow is expected. For optimum application properties, bring material to 65 - 85ºF temperature range prior to application. Use for service below 150ºF. Do not use on floors, steps, 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: 1-Gallon (3.78 L), 5-Gallon (18.9 L)

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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