



Architectural Coatings

PPG Acri-Shield Max Exterior Paint & Primer In One Semi-Gloss

GENERAL DESCRIPTION

Acri-Shield Max Exterior Paint & Primer In One Semi-Gloss is a premium quality, 100% acrylic semi-gloss house paint. Ideal for use on properly prepared, exterior wood, brick, masonry, concrete, weathered aluminum, weathered vinyl siding, and primed metal substrates. Vinyl siding and similar plastic composites should not be painted with a colour darker than the original colour. Painting vinyl siding or plastic composites with a darker colour may cause them to warp. Colour selection for use over vinyl siding is limited.

RECOMMENDED SUBSTRATES

Aluminum	Ferrous Metal	Stucco
Brick	Fiber Cement	Vinyl
Concrete	Masonry	Wood

CONFORMANCE STANDARDS

VOC compliant in all regulated areas

PRODUCT INFORMATION

649-00C	Super White
649-10C	White & Pastel Base ^B
649-20C	Mid-tone Base ^{A,B}
649-40C	Ultra Deep Base ^{A,B}

^AMust be tinted before use.

^BColourants added to this base paint may increase VOC level significantly depending on colour choices. However, PPG Futurity and PPG HS colourants (96-xxxXI, 96-xxx, 96-xxxx, 96-xxxxx), even if used at maximum tint load in any colour, contributes less than 8 g/L of VOC to the final tinted product. When tinted with PPG Formula Pro, even at maximum tint load in any colour, the colourant contributes less than 8 g/L of VOC to the final tinted product.

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

PACKAGING

Quart (946 mL)
1-Gallon (3.78 L)
5- Gallon (18.9 L)

Not all products are available in all sizes.

FEATURES / BENEFITS

Features

7 Year Portersept™ Mildew Proof^C Warranty

Rain Ready in as Little as 60 Minutes^D

Delivers Exceptional Hide & Coverage
Urethane Modified for Enhanced Durability

Paint & Primer in One
Excellent Flash Rust Resistance
Application Down to 2°C (35°F)
Excellent Dirt Pick-Up Resistance

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Latex
SHEEN*:	Semi-Gloss, 40-50 @60°;
VOLUME SOLIDS*:	39% +/- 2%
WEIGHT SOLIDS*:	52% +/- 2%
WEIGHT/GALLON*:	4.8 kg (10.5 lbs.) +/- 91 g (0.2 lbs.)
VOC*:	<50 g/L (0.4 lbs./gal.)

*Product data calculated on product 649-10C.

COVERAGE: Up to 37 square metres (400 sq. ft.) per 3.78 litres on smooth, nonporous surfaces.

Wet Film Thickness:	4.0 mils
Wet Microns:	102 microns
Dry Film Thickness:	1.6 mils
Dry Microns:	40 microns

Coverage figures do not include loss due to surface irregularities and porosity, or material loss due to application method or mixing. Some surfaces including uncoated substrates, repaired surfaces, porous surfaces, stained areas, and drastic colour changes may require a primer or more than one coat to achieve a uniform finish and complete hide.

DRYING TIME: Allow minimum 2 to 4 hours before recoating at 25°C (77°F) and 50% relative humidity, and minimum 24 hours at 2°C (35°F).

To Touch:	1 hour
To Recoat:	2 to 4 hours
To Full Cure:	30 days

Drying times listed may vary depending on temperature, humidity, colour, film build, and air movement. Wait at least 30 days before cleaning the surface and use a non-abrasive, mild cleaner.

DAllow paint film to dry for at least 60 minutes prior to expected rain when temperatures are at or above 15°C (60°F) and 50 to 70% relative humidity. Lower temperatures, higher humidity, and deeper colours may increase drying time and rain readiness time.

CLEANUP: Clean tools with warm, soapy water.

DISPOSAL: Consult your municipality about proper disposal procedure of residue in accordance with the laws and respect the environment. Do not pour down a drain or storm sewer.

FLASH POINT: Over 93°C (200°F)

Benefits

^CThis paint contains agents which inhibit the growth of mildew and algae on the surface of the paint film.

Guards the freshly painted surfaces from blisters or water marks once rain showers begin.

Requires less material than a traditional exterior paint.

Provides a tough, flexible coating that helps prevent the film from cracking, peeling, or flaking.

A separate primer is usually not necessary.

Provides a long-lasting, beautiful finish.

Extends the painting season.

Provides a clean appearance.

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet. See other cautions on last page.

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose, peeling paint, dirt, grease, and any other surface contaminants. Blistering and peeling issues are commonly caused by moisture behind the paint film. Problems leading to excessive moisture in the substrate must be repaired prior to painting. Putty all nail holes and caulk all cracks or open seams. Sand all glossy, rough, and patched surfaces. Stucco, concrete, and masonry must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting. When applied to an uncoated substrate or to bare wood, two coats are required with the first coat acting as the primer. For metal, tannin staining woods, fresh concrete or masonry (less than 30 days cure), or chalky surfaces, use of an appropriate specialty primer is recommended for best results.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact a regional Health Canada office for more information.

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.

BRICK: New brick and mortar 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. Painting glazed brick is not recommended due to potential adhesion problems.

CONCRETE and MASONRY: New concrete 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.

FERROUS METAL: The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants, and then primed.

FIBER CEMENT: Fiber cement siding and trim 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 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.

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. 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.

VINYL and ARCHITECTURAL PLASTIC: Vinyl and similar architectural plastics may present potential adhesion problems. A primer may be required to promote proper adhesion. Consult the manufacturer's guidelines prior to painting. Primer and topcoat should be spot applied, allowed to cure overnight, 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. Vinyl siding and similar plastic composites should not be painted with a color darker than the original color. Painting vinyl siding or plastic composites with a darker color may cause them to warp. Color selection for use over vinyl siding is limited. For information, call 1 866 660-2220.

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

RECOMMENDED PRIMERS

Aluminum	17-921XIC
Brick	4-503, 4-603XIC, 17-921XIC
Concrete & Masonry	4-503, 4-603XIC, 17-921XIC, Self-priming
Ferrous Metal	4020, 90-712C, 90-912C
Fiber Cement	4-2, 4-503, 4-603XIC, Self-priming
Stucco	4-2, 4-503, 4-603XIC, 4-808C, 4-809C, 4-898, Self-priming
Vinyl	17-921XIC
Wood	17-921XIC, Self-priming

LIMITATIONS OF USE

Apply only when air, surface, and product temperatures are between 2°C (35°F) and 32°C (90°F) and at least 3°C (5°F) above the dew point. Air and surface temperatures must remain between 2°C (35°F) and 32°C (90°F) for the next 24 hours. Avoid painting in direct sunlight or on hot surfaces. Do not apply late in the day when dew and condensation are likely to form or if rain or snow is expected within 48 hours. On large expanses of metal, temperatures must be 10°C (50°F) or higher.

**DO NOT USE ON ROOFS, FLOORS, OR PATIOS.
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.

APPLICATION INFORMATION

Stir thoroughly. Do not thin. When using more than one container of the same colour, intermix to ensure colour uniformity.

Application Equipment: Apply with a high-quality brush (polyester/nylon), roller (nap size – 10 mm for smooth surfaces, and up to 20 mm for rough or textured surfaces), paint pad, or by airless spray equipment.

Airless Spray: Pressure 1500 to 2000 psi; tip 0.015" to 0.021". 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: Polyester/Nylon Brush.

Roller (nap roller cover): 10 mm for smooth surfaces, and up to 20 mm for rough or textured surfaces.

Thinning: Do not thin.

Permissible temperatures during application:

Material:	2 to 32°C	35 to 90°F
Ambient:	2 to 32°C	35 to 90°F
Substrate:	2 to 32°C	35 to 90°F

PRECAUTIONS

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray, or mists. Avoid contact with skin and eyes. Wear protective gloves/clothing and eye/face protection. Keep out of reach of children. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.** **FIRST AID TREATMENT:** If swallowed, call a Poison Control Centre or doctor immediately. If in eyes or on skin, rinse well with water. If breathed in, move person to fresh air. Contains: titanium dioxide; Kaolin; zinc oxide; Mica-group minerals; benzophenone; N-methyl-2-pyrrolidone. Sanding and grinding dusts may be harmful if inhaled. Contains isothiazolinones. May cause allergic reaction. Keep container tightly closed and sealed until ready for use. For workplace use, an SDS is available from your retailer or by calling 1-800-463-7426 (Canada). **EMERGENCY SPILL INFORMATION:** (412) 434-4515 (U.S.), (514) 645-1320 (Canada).

SATISFACTION GUARANTEED: The manufacturer warrants your complete satisfaction with the performance of this product for as long as you own or reside in your home when our product has been applied and maintained according to label directions. This satisfaction guarantee is non-transferable. The manufacturer does not warrant against problems with the product which are caused by factors beyond its control, such as structural defects, damage to the coating film by others, poor condition of the substrate, improper application, etc. If not satisfied as warranted, return the unused portion along with sales receipt to place of purchase. You will receive as your exclusive remedy either a refund of the price paid for the product or replacement with product of equal value. This warranty specifically excludes labour or costs of labour for the removal or application of any coating and indirect, special, consequential, and incidental damages.

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