

Architectural Coatings

MANOR HALL Exterior Paint &amp; Primer in One 100% Acrylic Latex Eggshell

## GENERAL DESCRIPTION

Evident in every can of PPG Pittsburgh Paints® *Manor Hall* is an historic heritage of quality spanning more than 100 years. Only the very finest products, backed by decades of research testing, are worthy of carrying on the *Manor Hall* tradition. Protected with ManorShield® urethane technology, *Manor Hall* Exterior Paint & Primer in One provides extraordinary durability and protection against the harsh outdoor elements. *Manor Hall* with PPG's SidingSafe™ Color Technology provides a broad spectrum of color choices for use on aluminum, architectural plastic, composite, fiber cement, vinyl, and wood siding and trim.

## RECOMMENDED SUBSTRATES

Aluminum	Ferrous Metal	Stucco
Brick	Fiber Cement	Vinyl
Concrete	Masonry	Wood

## CONFORMANCE STANDARDS

VOC compliant in all regulated areas

## APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one container of the same color, intermix to ensure color uniformity. 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 spray equipment. Where necessary, apply a second coat.

**Airless Spray:** Pressure 2000 psi, tip 0.015" - 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:** 3/8" - 3/4" nap roller cover.

**Thinning:** Thinning is not usually required. If necessary, add no more than 1/4 pint (118 mL) of water per gallon (3.78L) of paint.

### Permissible temperatures during application:

Material:	35 to 90°F	2 to 32°C
Ambient:	35 to 100°F	2 to 38°C
Substrate:	35 to 100°F	2 to 38°C

## FEATURES / BENEFITS

### Features:

*ManorShield* urethane technology

100% acrylic latex

Dirt and mold and mildew resistant on the paint film

Excellent fade resistance

Paint & Primer in One

Excellent adhesion

Application down to 35°F (2°C)

Low VOC formula

Full body

Minimal spatter

SidingSafe™ Color Technology

## 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.

70-301	Super White
70-310	White & Pastel Base
70-320	Midtone Base*
70-340	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.

Use SidingSafe™ Color Technology from PPG when painting vinyl and similar plastics. For color selection information, call 1-800-441-9695.

## PRODUCT DATA

<b>PRODUCT TYPE:</b>	100% Acrylic Latex
<b> SHEEN:</b>	Eggshell: 5 to 10 (60° Gloss Meter)
<b>VOLUME SOLIDS*:</b>	39% +/- 2%
<b>WEIGHT SOLIDS*:</b>	54% +/- 2%
<b>VOC*:</b>	<50 g/L (0.4 lbs./gal.)

**WEIGHT/GALLON\*:** 11.0 lbs. (5.0 kg) +/- 0.2 lbs. (91 g)

\*Product data calculated on product 70-301.

**COVERAGE:** Approximately 400 sq. ft. (37 sq. m) per U.S. gallon (3.78 L) depending on surface texture and porosity.

Wet Film Thickness: 4.0 mils

Wet Microns: 102 microns

Dry Film Thickness: 1.5 mils

Dry Microns: 38 microns

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 Handle: 1 hour

To Recoat: 4 hours minimum

To Full Cure: 30 days

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement. For example, product applied at 35°F (2°C) would require a minimum of 24 hours before recoat.

**CLEANUP:** Clean tools and hands immediately with warm soapy water.

**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)

### Benefits:

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

Excellent durability and adhesion, soap and water cleanup

Stays cleaner longer

Color stays truer longer

A primer coat is not usually necessary

Minimizes peeling and cracking

Extends the painting season

Better for the environment

Smoother application, minimizes drips and runs

Less mess during application

Expands color options

**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. 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.

**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 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.

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

**FIBER CEMENT:** Fiber cement 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. 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 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. 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. Use SidingSafe™ Color Technology from PPG when painting vinyl and similar plastics. For color selection information, call 1-800-441-9695.

**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	17-921
Brick	4-503, 4-603, 17-921
Concrete & Masonry	4-503, 4-603, 17-921
Ferrous Metal	90-712, 90-912
Fiber Cement	4-2, 4-503, 4-603
Stucco	4-2, 4-503, 4-603, 4-808, 4-809, 4-898
Vinyl	17-921
Wood	6-609, 17-921, 72-1

This product is self-priming in most applications. Tannin bleeding woods and high alkaline substrates may require a specialty primer. Prime all bare metal with the appropriate high quality PPG primer.

**PACKAGING**

1-Gallon (3.78 L)

5-Gallon (18.9 L)

Quart (946 mL)

Not all products available in all sizes.

**LIMITATIONS OF USE**

Apply when air and surface temperatures are 35°F (2°C) and surface temperature is at least 5°F (3°C) above the dew point. For optimum application properties, bring material to at least 50°F (10°C) prior to application. Air and surface temperature must remain above 35°F (2°C) for the next 24 hours. Avoid painting late in the day when dew and condensation are likely to form or if rain or snow is expected. Do not apply in direct sunlight. **PROTECT FROM FREEZING.**

Not recommended for use on steps or floors. 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.

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