



Architectural Coatings

Manor Hall Exterior Paint & Primer in One Satin

GENERAL DESCRIPTION

Evident in every can of PPG 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.

PRODUCT DATA

PRODUCT TYPE: 100% Acrylic Latex
SHEEN: Satin: 15-25 @60°, 20-30 @85°
VOLUME SOLIDS*: 38% +/- 2%
WEIGHT SOLIDS*: 49% +/- 2%
WEIGHT/GALLON*: 10.2 lbs. (4.6 kg) +/- 0.2 lbs. (91 g)
VOC*: <50 g/L (0.4 lbs./gal.)

*Product data calculated on product 70-410.

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

RECOMMENDED SUBSTRATES

Table with 3 columns: Aluminum Siding, Brick, Concrete, Ferrous Metal, Fiber Cement, Masonry, Stucco, Vinyl Siding, Wood

Wet Film Thickness: 4.0 mils
Wet Microns: 102
Dry Film Thickness: 1.5 mils
Dry Microns: 38

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

CONFORMANCE STANDARDS

VOC compliant in all regulated areas
MPI approved in category 15

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.
To Touch: 1 hour
To Recoat: 4 hours
To Full Cure: 30 days

TINTING AND BASE INFORMATION

Table with 2 columns: 70-410 White/Pastel Base, 70-420 Midtone Base*, 70-440 Ultra Deep Base*

*Must be tinted before use.

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

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

CLEANUP: Clean tools 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.

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

FLASH POINT: Over 200°F (93°C)

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

FEATURES / BENEFITS

Features

- ManorShield Urethane Technology
Excellent fade resistance
Excellent adhesion
100% acrylic latex formulation
Low VOC, <50 g/L
Provides mildew resistant coating
Application down to 35°F (2°C)
Full body
Minimal spatter
SidingSafe Color Technology

Benefits

- Provides a tough, flexible coating that helps prevent the film from cracking, peeling or flaking.
Color stays truer longer
Minimizes peeling and cracking
Excellent longevity and overall durability
Meets the most stringent VOC regulations nationwide
Resists the formation of mold and mildew on the paint film
Extends the painting season
Smoother application, minimizes drips and runs
Less mess during application
Expands color options

Read Label and Safety Data Sheet Prior to Use. See other cautions on last page.

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose and peeling paint, dirt, mildew, grease, oil, chalk, rust, and any other surface contaminants. Repair all moisture problems. Blistering and peeling issues are commonly caused by moisture behind the paint film. Putty all nail holes, and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. When applied to an uncoated substrate, two coats are required, with the first coat acting as the primer. The appropriate specialty primer is recommended for special substrates such as tannin staining wood, hardboard, new or chalky masonry, and bare metal.

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. 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 SIDING: Aluminum siding may present potential adhesion problems. Prime prior to topcoating. A specialty primer may be required if the original painted surface has degraded to the substrate. 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.

BRICK, CONCRETE, MASONRY and STUCCO: New concrete and 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. Use of an alkali resistant primer is recommended. Painting glazed brick is not recommended due to potential adhesion problems.

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.

VINYL SIDING: Vinyl siding may present potential adhesion problems. 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.

LIMITATIONS OF USE

FOR EXTERIOR USE ONLY. 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. Not recommended for use on steps or floors. **PROTECT FROM FREEZING.**

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

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.

RECOMMENDED PRIMERS

Aluminum Siding	17-921XI, 17-941NF
Brick	4-503, 4-603XI, 4-808, 4-809, 17-921XI
Concrete	4-503, 4-603XI, 4-808, 4-809, 17-921XI
Ferrous Metal	4020, 4360
Fiber Cement	4-503, 4-603XI, 17-921
Masonry	4-503, 4-603XI, 4-808, 4-809, 17-921XI
Stucco	4-503, 4-603XI, 4-808, 4-809, 17-921XI
Wood	17-921XI, 17-941NF
Vinyl Siding	17-921XI

PACKAGING

Quart (946 mL)
 1-Gallon (3.78 L)
 5-Gallon (18.9 L)
 Not all products are available in all sizes.

APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, intermix to ensure color uniformity. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site 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 and allow each coat to dry thoroughly before applying the next 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: No thinning is usually required.

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

PRECAUTIONS

WARNING! MAY CAUSE ALLERGIC SKIN REACTION. Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.** **FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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