

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. Synonymous with ageless beauty, Manor Hall continues to be the trusted choice for even the most discerning homeowner. Protected with ManorShield® urethane technology, Manor Hall exterior provides extraordinary durability and protection against the harsh outdoor elements. Manor Hall with PPG's SidingSafe™ Colour Technology provides a broad spectrum of colour choices for use on aluminum, architectural plastic, composite, fibre cement, vinyl, and wood siding and trim. Designed for use on properly prepared new or previously painted exterior substrates: wood, brick, aged masonry or concrete, aluminum or vinyl siding, primed metal.

RECOMMENDED SUBSTRATES

Aluminum Siding	Brick	Concrete
Fibre Cement Siding	Masonry	Primed Metal
Stucco	Vinyl Siding*	Wood

*See "Limitations of use"

CONFORMANCE STANDARDS

- Complies with the Canadian Volatile Organic Compound Concentration Limits for Architectural Coatings Regulations
- Meets MPI #11Latex, Exterior Semi-Gloss (MPI Gloss Level 5)
- Meets MPI Green Performance Standard (GPS-1)

TINTING AND BASE INFORMATION

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

70-501C	Super White
70-510C	White/Pastel Base
70-520C	Midtone Base*
70-540C	Ultra Deep Base*

*Must be tinted before use.

Some colours, drastic colour changes, or porous substrates may require more than one coat to achieve a uniform finish. Use SidingSafe® Colour Technology from PPG when painting vinyl and similar plastics. For colour selection information, call 1-800-387-2253.

FEATURES / BENEFITS

Features

ManorShield® urethane technology

100% acrylic latex paint

Dirt, mould and mildew resistant on the paint film

Superior fade resistance

Self-priming paint in most applications

Excellent adhesion

Application down to 2°C

Low VOC formula

Resists water-streaking

Full-bodied formula

Minimal spattering

SidingSafe™ Colour Technology

Benefits

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

Excellent durability and adhesion, soapy water cleanup.

Stays cleaner longer.

Colour stays truer longer.

A primer coat is not usually necessary.

Minimizes peeling and cracking.

Extends the painting season.

Better for the environment.

Water from rain or snow won't cause streak marks.

Smoother application, minimizes drips and runs.

Less mess during the application.

Expands colour options.

PACKAGING

3.78 L

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Latex Paint
SHEEN:	Semi-Gloss: 35 to 60 % (60° Gloss Meter)
VOLUME SOLIDS*:	38% ± 2%
WEIGHT SOLIDS*:	51% ± 2%
VOC*:	< 50 g/L
DENSITY*:	1.3 kg/L

*Product data calculated on product 70-501C.

SPREADING RATE PER COAT Approximately 37.2 sq. metres per 3.78 litres on primed, smooth, nonporous surfaces.

Wet Film Thickness: 4.0 mils (102 microns)

Dry Film Thickness: 1.5 mils (40 microns)

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

DRYING TIME: Dry time @ 25°C (77°F); 50% relative humidity.

To Touch: 1 hour

To Recoat: 4 hours minimum

To Full Cure: 30 days

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

Permissible temperatures during the application:

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

CLEANUP: Remove as much product quantity as possible and clean tools with lukewarm soapy water immediately after use.

DISPOSAL: Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.

FLASH POINT: Over 93 °C (200 °F)

LIMITATIONS OF USE

Not recommended for use on steps or floors.

The following surfaces require an appropriate speciality primer:

- Woods such as redwood, cedar, mahogany and Douglas fir containing tannic acid which tends to migrate to the surface.
- High alkaline surfaces such as concrete and masonry.
- Bare metal.

Colour selection for use over vinyl siding is limited. Use SIDINGSafe Colour Technology from PPG when painting vinyl and similar plastics. For colour selection information, call 1-800-387-2253.

While this product provides a mildew-resistant coating, growth may still occur if the substrate is not properly prepared prior to painting or if the substrate is consistently exposed to conditions conducive to mould, mildew, and algae.

PROTECT FROM FREEZING.

Apply when air and surface temperatures are above 2°C, and when surface temperature is at least 3°C above the dew point.

For optimum application properties, bring product to at least 10°C prior to the application. Air and surface temperatures must remain above 2°C for at least 24 hours after the application. Avoid painting late in the day when dew and condensation are likely to form or if rain or snow is expected.

GENERAL SURFACE PREPARATION

Remove all loose and peeling paint, dirt, mildew, grease, chalk, rust and other surface contamination.

Mildew: Remove mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Before use, be sure to read and follow the instructions and warnings on the label.

Chalking: Remove chalk residue with a wire brush. Rinse thoroughly with hose or power wash and let surface dry.

Sand all glossy, rough or patched surfaces. Feather back all rough edges to sound surface by sanding.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. 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. Contact a regional Health Canada office for more information. **PRECAUTION:** Dry sanding of dry coatings will give rise to dust and/or hazardous fumes. Wear suitable respiratory protective equipment. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to hazardous substances that may be released during surface preparation.

Prime all bare wood, metal, chalky or porous surfaces with an appropriate high quality primer.

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.

Concrete, fibre cement siding, stucco and masonry:

- Prior to priming or top coating, substrate should cure for at least 30 days and preferably 90 days, the moisture content must be less than 12% and the pH must be less than 10. If pH is greater than 10, prime with an alkali resistant primer.
- **Efflorescence:** Remove efflorescence by pressure washing or cleaning with diluted muriatic acid. Before use, be sure to read and follow the instructions and warnings on the label.
- **Brick:** Painting glazed brick is not recommended due to potential adhesion problems.
- **Fibre cement siding:** 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 top coating. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebond and restore the surface to a sound condition.

Ferrous metal: Prior to priming and top coating, the surface must be cleaned thoroughly to remove any dust, rust, oil and surface contaminants.

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. Check adhesion by applying a piece of masking tape. If adhesion is good, the application may proceed. 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 Colour Technology from PPG when painting vinyl and similar plastics. For colour selection information, call 1-800-387-2253.

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

Moisture content:

Prior to the application of coatings, the moisture content of the substrate should be checked by one of the following methods:

- Electrode-type moisture meter. For this method, coating can be applied if readings of less 5% moisture content (electrical impedance) or 12% (electrical conductivity).
- Placing a sheet of plastic on the concrete surface for the same length of time the repair material would take to cure (normally 24 hours @ 25°C). If, after this time, there is visible moisture, a poor bond may result.

Putty all holes and caulk all cracks and open seams to prevent water penetration prior to priming and painting.

Before use, be sure to read and follow the instructions and warnings on the label.

Contact your local representative for any additional surface preparation guidelines.

RECOMMENDED PRIMERS

Aluminum Siding:	self-priming, 17-921XIC	Aluminum:	90-712C
Brick:	17-921XIC	Concrete:	17-921XIC
Ferrous Metal:	6-208, 6-212	Fibre Cement Siding:	4-809C
Masonry:	17-921XIC	Stucco:	4-809C
Vinyl Siding:	self-priming, 17-921XIC	Wood:	17-921XIC

This product is self-priming on different surfaces in good condition and properly prepared.

The following surfaces may require an appropriate speciality primer:

- Woods such as redwood, cedar, mahogany and Douglas fir containing tannic acid which tends to migrate to the surface.
- High alkaline surfaces such as concrete and masonry.
- Bare metal.

APPLICATION INFORMATION

Stir thoroughly before use and occasionally during use. When using more than one container of the same colour, intermix to ensure colour uniformity.

KEEP OUT OF REACH OF CHILDREN. USE WITH ADEQUATE VENTILATION. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available from your retailer, through our website or by calling 1-800-463-7426.

Application Equipment: Apply with a high quality synthetic brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat.

Brush: High quality polyester/nylon brush.

Roller: 10 to 20 mm (3/8 – 3/4 in.) nap synthetic roller cover.

Airless Spray: Pressure 2000 psi, tip 0.015 in. - 0.021 in.

Spray equipment must be handled with due care and in accordance with the manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Thinning: Thinning is not usually required. If necessary, add no more than 118 mL of water per 3.78L of paint.

PRECAUTIONS

Keep out of the reach of children. Keep containers tightly closed and sealed until ready for use.

Before using the products listed in this publication, carefully read each product label and follow directions for its use. Use personal protective equipment as required. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

Note: These warnings encompass the product series.

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.

FIRST AID: If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. 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. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call poison centre or doctor/physician.

For workplace use, an SDS are available from your retailer, through our website or by calling 1 800 463-7426.

EMERGENCY SPILL INFORMATION: 1 514 645-1320 or 1 800 463-7426.

LIMITED WARRANTY

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

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