

PERMA-WHITE® Mould & Mildew-Proof* Exterior Paint

* PERMA-WHITE® contains a mildewcide to prevent growth of mould & mildew on the paint film only.

A high performance 100% acrylic, all purpose, exterior paint uniquely formulated to beautify and protect exterior surfaces while preventing mold & mildew growth on the paint film for FIVE YEARS. **PERMA-WHITE®** passes severe ASTM D5590 tests even when subjected to combined strains of mold & mildew spores. **PERMA-WHITE®** produces a beautiful, tough, durable, washable finish that withstands moisture and resists dirt pickup - key conditions that promote mold & mildew growth on the paint film and eventually cause paint failure- and is backed by a 15 YEAR DURABILITY guarantee (see limited warranty). Ideal for Commercial and Industrial jobs as well as for Residential use.

Selection Data

Generic Type - Latex acrylic resin, water-base, exterior finish paint. Available in satin and semi-gloss sheens.

Performance Characteristics

- Mold & Mildew-Proof™* paint film guaranteed for 5 years
- 15 Year durability guarantee – resists chalking, fading, peeling and blistering (see warranty)
- Self-priming - bonds to glossy and hard-to-paint surfaces
- Easy application properties, high hide, great touch-up
- Moisture and dirt resistant finish
- Tintable to off-white, pastel or medium earth-tone colors
- Low odor, fast drying - recoat in 2 hours
- Soap and water cleanup

Recommended Uses - For application to exterior siding, foundations, doors, trim, window frames, shutters and related paintable surfaces for any exterior area where mold & mildew are a concern. **PERMA-WHITE®** can be applied over any existing oil or latex paint.

Color/Tinting – **PERMA-WHITE®** is bright white but may be tinted to off-white, pastel or medium colors with a maximum of 4 oz. (118 ml) universal colorants per gallon. Start with 75% of the tinting formula for a given color and adjust if necessary. Multiple containers of tinted paint should be intermixed (boxed) to ensure color uniformity.

NOTE: Do not paint vinyl siding with any color darker than the original siding color. Painting with darker colors may cause the siding to warp.



Coverage - A single coat applied at 1.5 mils dried film thickness (DFT) covers approximately 10m²/L. Coverage may vary with the porosity of the surface and the method of application.

Application Data

Application Requirements – 2 coats are required for proper performance and mold & mildew-resistance.

Surfaces - Recommended for painting siding, soffits, fascia, trim, doors, windows, foundations, gutters and downspouts. Also great for painting porch ceilings, trim trellises, fences, etc. May be applied to new or previously painted wood, T-111, hardboard; metals (including aluminum, steel, copper and galvanized metal); PVC; fiberglass: masonry (including stucco, concrete blockpoured concrete and brick). **PERMA-WHITE®** is self-priming and will develop excellent adhesion to properly prepared surfaces including gloss or semi-gloss paints, and aluminum and vinyl siding without the need for sanding or deglossing. For most jobs, no separate primer is needed. For new, unpainted or severely weathered surfaces prone to bleeding (cedar, redwood, hardboard, plywood) and rusting (iron and other ferrous metals) or brand new vinyl and aluminum prime with *Bulls Eye 1-2-3®* Primer Sealer. Allow primer to dry at least 24 hours before applying 2 coats of **PERMA-WHITE®**. If a separate primer is used, we recommend the addition of *ADD-2™ PREVENT MILDEW Mildewcide Additive* to the primer - especially where mold & mildew is a recurring problem.

Damp Surfaces - **PERMA-WHITE®** may be applied over damp masonry walls but is not designed to stop active water leaks. Use *WATERTITE® Mold & Mildew-Proof™* Waterproofing Paint* for masonry prone to water intrusion. **PERMA-WHITE®** may be used over any quality waterproofing paint to prevent mold and mildew growth on the paint film.

Surface Preparation

Proper surface preparation is important. Surfaces must be clean, sound and free of dirt, dust, grease, soap film, loose paint or other surface contamination. Remove all loose or peeling paint and chalky paint residue. Sand

edges of any remaining paint film until smooth. Houses painted before 1978 may contain lead.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. New concrete, masonry and related surfaces must be cured at least 30 days before painting. All existing mold and mildew must be removed before painting. To effectively kill mold & mildew and remove dirt and chalky paint residue, clean surfaces with JOMAX® House Cleaner and Mildew Killer. A solution of one cup household bleach per gallon of water may also be used. Allow solution to remain on surface at least 10 minutes. Rinse with water and allow to dry.

Knots/Sap Streaks - spot prime knots and sap streaks with *B-I-N*® Primer Sealer. Knots on new pine should be spot primed with one or two coats of *BULLS EYE*® *AMBER SHELLAC*.

Oil- base paints, primers, caulks, and glazing compounds can increase the likelihood of mold & mildew. When necessary, use a latex primer like *ZINSSER*® *BULLS EYE 1-2-3*®, and acrylic caulks and glazing compounds.

Application

Shake or stir well before using. Apply with synthetic bristle brush, roller, pad applicator or sprayer. For airless spraying, use a .017 tip and high medium (2000-2500 PSI) pressure. Apply when air and surface temperatures are between 50° and 90°F (10o and 32°C) and humidity is less than 80%. **PERMA-WHITE**® is designed to be used as is. If thinning is necessary (such as with conventional sprayer applications), use only water and no more than 10% by volume (approx. 12 oz/gallon).

Dry Time - Dries in 2 hours. Apply second coat 2 hours or longer after the first. Scrape-resistance over glossy surfaces develops in 7 to 10 days as **PERMA-WHITE**® cures.

Typical Physical Properties

Solids by Weight	53% (S), 47% (SG)
Solids by Volume	36% (S), 33% (SG)
Weight (lb./gallon)	11.1 (S),10.3 (SG)
Required Number of Coats	Two
Spread Rate	4.0 mils WFT per coat 1.5 mils DFT per coat
VOC	Less than 150 gr/liter
Flashpoint (Setaflash)	>200°F (>93.3°C)

Dry to touch @ 70°F (21°C)	30 minutes
Dry to recoat @ 70°F (21°C)	2 hours
Cure Time	7 to 10 days
Gloss/Sheen Levels	60° 85°
Satin	13-23% 47-53%
Semi-Gloss	40-50% 70-80%
Shelf Life	60 mos. @ 75°F (24°C)
Storage/Handling	Store indoors 40° – 80°F (4° – 26°C) Freeze/thaw stable

Cleanup - Clean up spills and drips with a wet cloth or rag. Wash application tools in warm, soapy water immediately after use. If product has dried on application tool, soak it overnight in a solution of equal parts household ammonia and water. Follow manufacturer's instructions when cleaning spray equipment.

Disposal - Dispose of unused or unwanted product in accordance with local laws regulating water-base coatings.

Limitations

PERMA-WHITE® **Mold & Mildew-Proof**™™ **Exterior Paint** is not intended for application to floors or exterior floors or decks or any surface subject to water immersion or prolonged contact with water.

Precautions

Safety: CAUTION! Do not get in eyes. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Do not take internally. **KEEP OUT OF REACH OF CHILDREN.**

Storage: To prevent product from skinning over close container after each use. Keep lid tightly closed during storage. Protect from freezing. If contents freeze, thaw to room temperature before using.

NOTE: **PERMA-WHITE**® is formulated with a mildewcide approved for paint use and does not contain mercury or lead compounds.

Limited Warranty

PERMA-WHITE® **Mold & Mildew-Proof**™™ **Exterior Paint** is guaranteed for five years from the date of application to provide protection of the dried paint film from mildew when two coats are applied according to the label directions. In addition, the dried paint film is guaranteed for fifteen years to resist fading, peeling and blistering. The contents are warranted to be free of defects for two years from date of manufacture. This limited warranty is limited to replacement or refund value of product actually used when supported by proof of purchase. If you have a question, please contact Zinsser (UK) Ltd.