

Technical Data Sheet

Perma-White[®] Exterior

A high performance 100% acrylic, all purpose, exterior paint uniquely formulated to beautify and protect exterior surfaces while preventing mold and mildew growth on the paint film for five years. Perma-White[®] passes severe ASTM D5590 tests even when subjected to combined strains of mold and mildew spores. Perma-White[®] produces a beautiful, tough, durable, washable finish that withstands moisture and resists dirt pickup - key conditions that promote mold and 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-based, exterior finish paint, available in satin and semi-gloss sheens.

Performance Characteristics

- Mold and Mildew-Proof[™]* paint film guaranteed for 5 years
- 15 Years 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 colours
- Low odour, 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 and mildew are a concern. Perma-White[®] can be applied over any existing oil or latex paint.

Colour / Tinting-

Perma-White[®] is bright white but may be tinted to off-white, pastel or medium colours with a maximum of 118 ml universal colourants per 5 litres. Start with 75% of the tinting formula for a given colour and adjust if necessary. Multiple containers of tinted paint should be intermixed (boxed) to ensure colour uniformity. NOTE: Do not paint vinyl siding with any colour darker than the original siding colour. Painting with darker colors may cause the siding to warp.

Coverage-

A single coat applied at 36 micron 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 and 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 and 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 and 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 mould and mildew and remove dirt and chalky paint residue, a solution of one-cup household bleach per 5 litres of water. 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[®] 1-2-3. Solvent-based paints, primers, caulks, and glazing compounds can increase the likelihood of mold and mildew. When

necessary, use a latex primer like 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 10° 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.

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)

Density: 1.25kg / litre

Required Number of Coats: Two

Spread Rate: 10m² / litre per coat

VOC: Less than 40g / litre

Flashpoint: (Setaflash) >200°F (>93.3°C)

Dry to touch: @ 21°C 30 minutes

Dry to recoat: @ 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: 2 years in unopened containers

Storage / Handling: Store indoors

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-based coatings.

Limitations-

Perma-White® Mold and 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-

Consult product Safety Data Sheet.

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 and 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.

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