



SPECIFICATION & WARRANTY INFORMATION FOR THE **PERMA-WHITE®** MOLD & MILDEW-PROOF™* **INTERIOR PAINT SYSTEM**

Details of our five-year mold & mildew-proof™
paint film warranty and how to register*



* PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint contains a mildewcide that prevents growth of mold & mildew and stain and odor causing bacteria on the paint film only.

ZINSSER Co. Inc.

173 Belmont Drive -- Somerset, NJ 08875-1285 --732-469-8100-- FAX 732-652-2491



TABLE OF CONTENTS

- Introduction - p. 3
- PERMA-WHITE[®] Mold & Mildew-Proof[™]* Interior Paint Specification - p. 4 - 9
- Resources -- Appendix A - p. 10
- PERMA-WHITE[®] Mold & Mildew-Proof[™]* Interior Paint Film 5-Year Warranty - p. 11
- Procedure to obtain the 5-Year Mold & Mildew-Proof[™]* Warranty - p. 12
- Project REGISTRATION FORM - p. 13
- Project VERIFICATION FORM – p. 14
- Technical Data Bulletins
 - PERMA-WHITE[®] Mold & Mildew-Proof[™]* Interior Paint - p. 15 - 16
 - PERMA-WASH[™] Disinfectant & Fungicide Interior Concentrate – p. 17 – 18
 - READY PATCH[™] Heavy Duty Spackling and Patching Compound – p. 19-20
 - GARDZ[®] High Performance Sealer – p. 21 – 22
 - Bulls Eye[®] Waterbase Primer Sealer – p. 23-24
 - Bulls Eye 1-2-3[®] - p. 25-26
 - Bulls Eye[®] Odorless – p. 27-28

*The information and recommendations provided in this document reflect ZINSSER's best knowledge on the publication date of this document – **September 23, 2005**. ZINSSER[®] may revise these recommendations without giving notice to document holders. Contact ZINSSER's Commercial Sales Department (732-469-8100) to determine whether revisions have been made before implementing the recommendations contained in this document.*



PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint

I N T R O D U C T I O N

Mold & mildew can occur wherever mold (fungi) spores find sufficient moisture and food to grow. Because mold spores are found practically everywhere; and, because many common construction materials--wood, drywall, adhesives and most paint--provide food for mold; eliminating the sources of moisture is the most effective method to prevent it.

Keeping surfaces sufficiently dry however, is not easy due to modern construction methods and the use of air-conditioning. Many energy-efficient buildings are tightly sealed to prevent the loss of heating or cooling. Such tight construction can trap moisture inside a building. As temperatures fluctuate the moisture condenses on ceilings, walls and floors contributing to the growth of mold & mildew.

Mold and mildew causes unsightly stains, generates bad odors, and over time deteriorates the material on which it feeds.

The first and best means to avoid mold & mildew is to eliminate sources of moisture through building design, good construction and effective maintenance. However, seasonal fluctuations in temperature and humidity can still cause intervals of dampness sufficient for mold to grow. In this situation the property owner is left with the following choices.

- A. Do nothing
- B. Modify HVAC to produce positive air pressure inside the building and dehumidify air brought into the building.
- C. Control the problem by using **mold & mildew-proof™*** building materials.

The recommended remedy would be options B and C – controlling the problem by modifying the structural defect to reduce/eliminate moisture intrusion and using mold and mildew resistant building material.

ZINSSER® PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint addresses option C -- controlling the problem by using mold proof paint because ordinary primers and paints can provide a rich food source for its growth.

PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint contains an EPA-registered fungicide and proprietary resin that prevent the growth of mold & mildew on the cured paint film while providing a durable and attractive finish. It is washable, resists dirt and stains, and can be tinted to off-whites, pastels and medium colors. Results of laboratory tests and long-term field trials support the conclusion that the use of **PERMA-WHITE®** provides the property owner a method to prevent the growth of mold & mildew and stain and odor causing bacteria on the paint film itself. **ZINSSER® GUARANTEES** that the paint film will be free of mold & mildew for 5 YEARS.

This specification describes **ZINSSER® PERMA-WHITE® Interior Paint System** and the procedures through which property owners may receive the 5-Year Warranty.

***PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint** contains a mildewcide that prevents the growth of mold & mildew and stain and odor causing bacteria on the paint film only.

The ZINSSER® PERMA-WHITE®
Mold & Mildew-Proof™*Interior Paint System
SPECIFICATION

Recommended procedures for long-term prevention of mold & mildew on the paint film for interior walls, ceilings and in wall cavities.

1.00 SCOPE

- 1.01 This specification defines a system to prevent staining and deterioration of the paint film caused by mold & mildew growth, as well as the offensive odor and stain causing bacteria associated with it.

The benefits of this system are achieved through use of a paint that is particularly resistant to mold & mildew growth. The benefits are significant because standard primers and paints provide nutrients for mold & mildew and thereby foster its growth whereas the paint used in this system prevents mold & mildew growth for at least five years.

1.02 Terminology:

Mold & Mildew - is used synonymously for the more scientific term 'fungus' and refers specifically to fungal organisms and not to stains or discolorations that they may cause.

Mold & Mildew Stain - visible stains or discoloration caused by mold & mildew on the paint film.

Antimicrobial - inhibits the growth of odor and stain causing bacteria on the paint film (does not protect against food borne or disease-causing bacteria).

1.03 Limitations:

The system defined by this specification should not be used as a substitute for proper building design, construction or maintenance. The first and best means to avoid mold & mildew growth is to eliminate sources of moisture through building design, construction and maintenance.

The scope of this specification does not encompass requirements for fungal prevention or remediation in health care facilities or other facilities occupied by individuals with respiratory ailments, hypersensitive to mold(s), or with weakened immune systems.

This specification deals only with the specific conditions that may occur on the painted surface of interior walls, ceilings and wall cavities and does not address other potential sites for fungal contamination--air ducts, drain pans, etc. The property owner should conduct a thorough investigation of all areas where moisture may collect and support fungal contamination and develop specific plans to correct each situation. Concerns about unseen or structural mold damage should be referred to a mold remediation specialist. (See Appendix A for helpful resources)

This system will not prevent damage or deterioration to substrates and materials below or above the paint film. Specifically, this system will not prevent: a) de-lamination of drywall facing paper from gypsum core; b) deterioration of gypsum core; c) rusting of fasteners, nails or metal wall studs; d) warping of wood studs; e) mold & mildew growth other than on the paint film itself.

The paint recommended in this specification contains an EPA-registered fungicide to inhibit the growth of mold & mildew and odor and stain causing bacteria on the cured paint film only. This product does not take the place of normal cleaning and disinfecting. The paint does not protect users or others against food-borne or disease-causing bacteria or mold.

1.04 Precautions:

Work required by this specification may expose workers and others to potentially hazardous conditions. Prior to commencement of work, the property owner or designee, should develop a plan that includes the following:

- a) A plan to protect workers, other building occupants, and the general public. from increased risk that may be caused by the work.
- b) A plan to prevent contamination of non-affected areas in the building.
- c) A plan to communicate the work schedule.
- d) A plan to manage waste disposal.

2.00 WORKMANSHIP

2.01 All work must be executed by skilled craftsmen, knowledgeable and experienced in their trade, with thorough technical skills and knowledge in the prevention and remediation of fungal contamination.

2.02 All cleaners (including bleach), patching compounds, primers, and paints must be used properly and in strict accordance with manufacturer's recommendations. Manufacturer's general guidelines for proper application rates, dilution instructions, re-coat times, etc., shall be followed.

2.03 **PERMA-WHITE®** Mold & Mildew-Proof™* Interior Paint is a two (2)-coat system. The recommended spread rate of **PERMA-WHITE®** - apply each coat at a rate of 350 – 400 square feet per gallon, creating a 4.0 Mil WFT (Wet Film Thickness) per coat and/ or a pinhole free 1.5 Mil DFT (Dry Film Thickness) per coat. Spread rate coverage may vary depending on the roughness and porosity of the surface to be coated and also the method of application.

2.04 All procedures recommended by ZINSSER®- including those detailed on the label directions and the product Technical Data Bulletin- must be followed. In addition, all safety rules and regulations of the property owner, applicable Federal, State, and local laws (including OSHA regulations and insurance and underwriter's requirements, where applicable) must be strictly observed by personnel engaged in the storing, handling, use, and application of bleach, cleaners, primers, paints and adhesives.

3.00 MATERIALS

For information on "Where to Buy" products, please call ZINSSER toll-free at **888-855-1774** or visit www.zinsser.com to locate a supply source near you.

3.01 **PERMA-WHITE®** Mold & Mildew-Proof™* Interior Paint –
White or may be tinted to off-whites or pastels or medium colors
ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100

Available Gloss / Sheen Levels: (2-coat readings)		At 60°	At 80°
(Product #02770 5-gallon)	Eggshell	4% - 8%	15% - 20%
(Product #02700 5-gallon)	Satin	13% - 23%	47% - 52%
(Product #02750 5-gallon)	Semi-Gloss	45% - 55%	80% - 85%

3.02 **GARDZ®** High Performance Sealer,
Product# 02300 5-gallon, ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100

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- 3.03 **READY PATCH™** Heavy Duty Spackling and Patching Compound,
Product# 04421 1-gallon, ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100
- 3.04 **Bulls Eye® Waterbase**
Product# 02240 5-gallon, ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100
- 3.05 **Bulls Eye 1-2-3®**
Product# 02000 5-gallon, ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100
- 3.06 **Bulls Eye® Odorless**
Product# 03900 5-gallon, ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875, 732-469-8100
- 3.07 **PERMA-WASH™ Disinfectant & Fungicide Interior Concentrate**
Product # 60600 5-gallon, ZINSSER Co., Inc. 173 Belmont Dr., Somerset, NJ, 732- 469-8100
- 3.08 **Clorox® Ultra Bleach** - The Clorox Company, Pleasanton, CA 94566-0803
- 3.09 **Moisture Meter**
Delmhorst Instrument Co., 51 Indian Lane East, P. O. Box 68, Towaco, NJ 07082
(800) 222-0638 email: info@delmhorst.com

4.00 WORK REQUIREMENTS

4.01 Site preparation:

The property owner will remove and store all furniture, bedding, headboards, artwork, drapery, mirrors and wall or swag lamps. The contractor is responsible for preventing damage to surfaces adjacent to the work surface-- doors, trim, windows and floors. The contractor will furnish portable work lights, fans and filters as required by this specification. The contractor is responsible for collecting and bagging trash. The property owner will be responsible for disposing of trash.

4.02 Ventilation:

Surface preparation may aerosolize mold(s). The property owner is responsible for adjusting the buildings ventilation system to prevent aerosolized mold from escaping work area. The contractor is responsible for establishing work zones partitioned with plastic sheeting. Negative air pressure must be maintained within work zones to prevent aerosolized mold and dust from escaping into adjacent areas. Air exhausted from a work zone must pass through a HEPA filter.

4.03 Worker safety:

Workers should wear NIOSH approved respirators for airborne particulate and an acid-gas cartridge for protection when cleaning with bleach. In addition, protective clothing, gloves, and eye protection should be worn as recommended on Material Safety Data Sheets. (See Appendix A for resources for respirators.)

4.04 Surface Preparation:

Surfaces to be painted must be clean, dry, smooth, structurally sound and neutral in pH. Remove dust, dirt, chalk, rust, oils, wax, stains or other surface contaminants. Clean areas contaminated with mold & mildew per Section 4.05.

4.04.1 New work never previously painted

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- 4.04.1.1 Gypsum board finish level and treatment of joints
- 4.04.1.1.1 Surfaces to be textured – Level 3
- 4.04.1.1.2 Surfaces to be painted – non-critical lighting conditions - Level 4
- 4.04.1.1.3 Surfaces to be painted - critical lighting conditions – Level 5
- 4.04.1.2 Wood – Sand smooth, seal and putty counter-sunk nail holes.
- 4.04.1.3 Concrete block – Remove efflorescence and mortar drips or protrusions.
- 4.04.1.4 Poured concrete – Remove form release agents or efflorescence. Fill bug-holes as directed by property owner.
- 4.04.1.5 Galvanized metal – Thoroughly wash to remove oils, oxidants or waxes.
- 4.04.1.6 Ferrous metal – Remove rust and thoroughly wash the surface.

4.05 Mold & mildew-stain and surface cleaning

Remove mold & mildew by applying a solution of either: 1) **PERMA-WASH™ Disinfectant & Fungicide Interior Concentrate** (odorless, non-staining) or 2) Clorox® Ultra Household Bleach as follows.

Mix a solution of 1 part **PERMA-WASH™ Disinfectant & Fungicide Interior Concentrate** with 4 parts of water. Apply the solution with a low-pressure commercial sprayer or paint roller to thoroughly wet mold and mildew. Make sure the treated area is thoroughly wet for at least 10 minutes and allow to air dry. Sanding is required to remove the stains caused by the mold and mildew.

Refer to the **PERMA-WASH™ Disinfectant & Fungicide Interior Concentrate** Technical Data Bulletin on pages 15-16 of this document for additional application criteria.

For Clorox®, mix a solution of 1 cup Clorox® Ultra Household Bleach with one gallon of clean water. (Bleach has a shelf-life and use of Clorox® brand is recommended for freshness.) Apply the solution with a paint roller to thoroughly wet mold & mildew stains. Scrub the wall with a sponge. Rinse the sponge as needed in clean water. Reapply the solution as needed until all mold & mildew stains have been lightened. Rinse the surface thoroughly. A wet vacuum is recommended to help collect rinse water. Avoid contact with clothing, carpet and fabric. Rinse all vinyl and rubber surfaces immediately after use. Avoid prolonged contact with metal or porcelain. Do not use around marble or aluminum. Circulate air via fans continuously to help dry the walls.

For commercial buildings and schools, follow appropriate guidelines for mold and mildew removal. Visit <http://www.epa.gov/iaq/molds/moldsresources.html> for details.

4.06 Gauging surface dryness of walls for skim coatings and primer coatings:

If the answer to each of the following questions is 'NO', then the wall is suitable for coating:

- A) Do your fingertips appear wet after pressing them against the wall?
- B) Under good lighting conditions, does the wall surface glisten or shine due to surface dampness?
- C) Will a single ply of Kleenex tissue adhere to the surface due to moisture? (It is absolutely necessary that all adhesives be removed in order for this test to be valid.)

NB: ALWAYS TEST MULTIPLE AREAS IN ORDER TO GET A REPRESENTATIVE SAMPLE OF THE SURFACE CONDITION.

Where possible, it is recommended that a moisture meter be used to quantify the moisture level. Some property owners may insist that moisture meters be used to measure the moisture level before priming can begin. If so, the following moisture meter test procedure should be performed.

Moisture meter test procedure

Measure the moisture level of both the drywall surface and of the drywall sub-surface using a Delmhorst Moisture Meter D2100 equipped with #2941/A-100 5/16" Contact Pins. Multiple

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readings should be taken at multiple sites to obtain a representative sample of the total surface to be primed. Record location and reading.

Surface moisture—The surface moisture should be 2% or less before applying the coating. Determine the surface moisture by pressing the pins into but not through the facing paper on the drywall.

Sub-surface moisture—The moisture level of the gypsum core is not as immediately critical as the surface moisture in order to apply the coating. Determine the sub-surface moisture by pushing the pins fully into the drywall. The gypsum must be sufficiently dry to maintain structural integrity and not be greater than 4%.

4.07 Repair drywall damage

Inspect drywall for damage. Sand loose, peeling facing paper. Tear open bubbles in the drywall facing paper and tear off loose facing paper and/or craft paper until only firmly attached paper remains. (Bubbles are most apparent when the surface is wet.) Replace sections of drywall where the gypsum core is deteriorated, loose or crumbling. Prior to skim coating damaged areas use **GARDZ**[®] High Performance Sealer to seal down damaged drywall facing paper. Patch superficial gouges, scratches, or dents with ZINSSER[®] **READY PATCH**[™] Spackling and Patching Compound or appropriate patching material. After dried skim coats have been sanded, re-apply ZINSSER[®] **GARDZ**[®] High Performance Sealer to seal skim coats and reduce potential for out-gassing. **Patching materials must be dry and fully cured before sealing.**

Refer to the ZINSSER[®] **READY PATCH**[™] Spackling and Patching Compound Tech Data Bulletin on page 19- 20 and the ZINSSER[®] **GARDZ**[®] High Performance Sealer Technical Data Bulletin on page 21-22 for additional application and coverage criteria.

4.08 Spot prime stains on drywall and knots on wood

Inspect drywall for stain caused by water, mold/mildew, smoke, nicotine, rust, or other contaminants. Check new wood for knots or tannin bleed. Remove as much of the staining material as possible by sanding, and then cleaning. Apply a primer/sealer to seal the stain. Use ZINSSER[®] Bulls Eye[®] Odorless Primer/Sealer, a low food source for mold and also a stain killer.

5.00 Finishing Schedule:

	SUBSTRATE	NEW WORK PRIMER	FINISH
5.01	Previously Painted Surfaces	Non Required	2 – Coats Perma-White [®] Interior
5.02	Drywall Unfinished (General Areas)	Non Required	2 – Coats Perma-White [®] Interior
5.03	Drywall – for texture	Bulls Eye [®] Waterbase	2 – Coats Perma-White [®] Interior
5.04	Galvanized or Ferrous metal	Bulls Eye 1-2-3 [®]	2 – Coats Perma-White [®] Interior
5.05	Concrete Block (Unfinished)	Acrylic or Epoxy Block Filler	2 – Coats Perma-White [®] Interior
5.06	Caste concrete	Bulls Eye 1-2-3 [®]	2 – Coats Perma-White [®] Interior
5.07	Bleeding stains (water, mold/mildew, smoke, rust, etc)	Spot Prime with Bulls Eye [®] Odorless Primer/Sealer	2 – Coats Perma-White [®] Interior
5.08	Wood Unfinished (General Areas)	None Required	2 – Coats Perma-White [®] Interior
5.09	Wood Knots	Spot Prime with Bulls Eye [®] Odorless Primer/Sealer	2 – Coats Perma-White [®] Interior

Application of **PERMA-WHITE**[®] Mold & Mildew-Proof[™]* Interior Paint –

Note: All surfaces must be clean, sound and dry at time of application.

First Coat --The wall surface can be slightly damp but not wet, i.e., 2% or less on the moisture meter reading. Apply the paint by spray, brush or roller. Cut in around the edges with a brush.

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PERMA-WHITE® should be applied to no more than 350- 400 square feet per gallon. Wallboard damage will reduce the spread rate. Use fans to circulate the air following application to help the paint dry.

Second Coat -- Wait until the first coat of paint is dry (2 hours is recommended) before applying the second coat. Apply second coat to no more than 350-400 sq. ft. per gallon. Use fans to circulate the air to speed up drying and curing of the paint.

6.00 QUALITY ASSURANCE

6.01 The property owner should review and supply this specification to all bidders.

6.02 Everyone involved with this project should carefully read this document, all attachments, and product labels prior to use or application.

6.03 Estimating Size of Surface Area:

It is the joint responsibility of the property owner and contractor to establish the total size of surface area to be covered and the minimum number of gallons of paint required to produce the required film thickness. Method of application and amount of wallboard damage should be taken into consideration when estimating spread rates. Spread rates for airless application is generally 15% less than for roller application. Add one additional square foot for every square foot of wallboard damage. **The mold & mildew protection corresponds directly to the application rate of PERMA-WHITE®.** (Please refer to the attached Technical Data Bulletin on pages 15-16)



APPENDIX A

Informational Resources Pertinent to Preventing Mold & Mildew

GOVERNMENT RESOURCES

United States
Environmental Protection Agency
Indoor Environments Division
<http://www.epa.gov/iaq/molds/>

Canada
Health Canada
Search on: Fungal contamination in public buildings
<http://www.hc-sc.gc.ca/>

PUBLICATIONS

"Preventing Moisture and Mold & mildew Problems in Hospitality Industry Buildings"
CH2Mhill and Disney Development Corporation
Publication can be purchased from:
AHLA - American Hotel & Lodging Association
www.ahma.com

VENDORS

Health and Environmental. Safety
3M®
3M Center, Bldg. 275-6W-01
St. Paul, MN 55133-3275
Respirator Tech. Ass't. 800-243-4630
www.3m.com/market/safety/ohes2

Environmental testing
Air Quality Sciences, Inc.
1337 Capital Circle
Atlanta, Georgia 30067
770-933-0638
www.aqs.com

Moisture Meter
Delmhorst Instrument Co.
51 Indian Lane East
P.O Box 68
Towaco, NJ 07082
(800)222-0638
email: info@delmhorst.com

For further assistance contact:
ZINSSER® Marketing Services
173 Belmont Dr.
Somerset, NJ 08875
Email: bullseye@ZINSSER.com
(888) 855-1774



This is a SAMPLE DOCUMENT ONLY.

A Warranty will be issued for specific projects upon request.

The ZINSSER® PERMA-WHITE® Interior Paint 5-Year Mold & Mildew-Proof™* Warranty

If mold and mildew causes stains on the paint film or deterioration of the paint film within Five (5) years from the date of application, ZINSSER® will furnish at no charge the quantity of paint applied to the problem area. This warranty does not cover mold and mildew that grows due to surface contamination on the surface of the paint film. Examples, mold growth on soap scum, cooking-grease residue, food or beverage spills, etc. This warranty does not include labor cost for surface preparation or coating application.

To achieve this Warranty, work must be done in compliance with the PERMA-WHITE® Mold & Mildew-Proof™* Interior paint specification provided by ZINSSER and for the specific project.

In summary, as a minimum the specification and/or label directions require:

- Cleaning the surface to remove existing mold & mildew and other surface contamination.
- After washing and rinsing the mold and mildewed areas, damaged areas are to be repaired and then primed.
- Application of two (2) coats of PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint @ 4.0 mils WFT (Wet Film Thickness) per coat / @ 1.5 mils DFT (Dry Film Thickness) per coat.

If, at any time during the warranty period, mold & mildew stains appear ZINSSER Co. Inc. will schedule an inspection. Upon establishing that the stains are the result of mold & mildew on the paint film ZINSSER® will furnish **a sufficient amount of PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint to apply 2-coats to correct the problem area.**

This warranty does not cover the labor cost for the original application or any labor associated with correcting any problem areas. Nor does this warranty cover the cost of freight for delivery of replacement supplies. This warranty gives the property owner specific legal rights. Those rights may vary by state.

Performance failure resulting from or related to water leaks, improper surface preparation, paint application or wallcovering installation are excluded from warranty coverage. Defects resulting from exposure to abnormal conditions--floods, hurricanes, fires, etc. are excluded from warranty coverage

If the property owner perceives a product defect or performance failure within the warranty period he/she must notify ZINSSER Co., Inc. in writing within thirty (30) days and provide ZINSSER® the opportunity to inspect the job if requested.

ZINSSER CO., Inc.
173 Belmont Drive
Somerset, NJ 08875
(732-469-8100)
Email: Bullseye@ZINSSER.com



173 Belmont Drive
Somerset, NJ 08875
Phone 732-469-8100

Questions?
Contact the ZINSSER Commercial Department
@ 732-469-8100

Procedure to obtain The PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint 5-Year Limited Warranty

In order for the property owner to receive the **PERMA-WHITE®** 5-Year Limited Warranty, the following procedures must be followed:

- 1) Complete the Registration form on page 12 which includes:**
 - Name and address of property where application is to be performed
 - Contact information of property owner, project manager, and contractor (TBD)
 - Expected starting date of project and warranty requirements

- 2) Fax completed form to Zinsser Commercial Department at (732) 563-9774.**

- 3) After receiving this information, a ZINSSER representative will contact the project manager to review warranty requirements and assign a project number.**

Critical requirements include:

 - Confirmation that ALL bidding contractors are being provided a complete copy of the PERMA-WHITE® Specification, which includes the surface preparation procedures and material requirements.
 - Confirmation that ALL bidding contractors will initial and date each page of the specification.
 - Confirmation that a pre-project inspection by the Property Owner or his designate, the project manager and the winning contractor will be performed to insure the integrity of the surface where the PERMA-WHITE® Paint System is to be applied. Refer to Section 1.03 in the PERMA-WHITE® Specification (Limitations).
 - Confirmation that the project manager will perform periodic inspections during the application to insure the specification is being followed by the winning contractor.
 - Upon completion of the job, the Project Manager will provide Zinsser with an executed verification form complete with original invoices for materials used on the project

Receipt of Project Verification Form and original invoices are required within 30 days of completion of project to activate warranty coverage. The property owner will receive a registered copy of the limited warranty upon receipt of the verification form and supporting documents.



173 Belmont Drive
Somerset, NJ 08875
Phone 732-469-8100

Registration #
*This number will be assigned by
Zinsser after registration interview
is conducted.*

The PERMA-WHITE® Project Registration Form

Instructions:

In order to register your project for the **PERMA-WHITE® 5-Year Limited Warranty**, please read and complete the following information. Please fax this completed form to **Zinsser Commercial Department @ 732-563-9774**.

Date: _____

Name and address of the property where the installation is to be performed:

Project Name _____, Property Address _____

Floor or Suite _____, City _____, State _____, Zip _____

Contact information of property owner:

Contact Person _____, Email Address _____

Property Owner _____, Mailing Address _____

City _____, State _____, Zip _____, Phone _____

Contact information for the project manager:

Contact Person _____, Email Address _____

Company _____, Mailing Address _____

City _____, State _____, Zip _____, Phone _____

Contact information for the contractor (when available):

Contact Person _____, Email Address _____

Company _____, Mailing Address _____

City _____, State _____, Zip _____, Phone _____

Contact information for the contractor (when available):

Expected starting date of project: _____

I understand and agree that in order for the property owner to receive the 5 Year Limited Warranty,

- ALL bidding contractors must be provided a complete copy of the PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint Specification, which includes the surface preparation procedures and material requirements.
- ALL bidding contractors must initial and date each page of the specification.
- A pre-project inspection must be conducted by the owner or his designate, the project manager and the winning contractor to insure the integrity of the surface where the PERMA-WHITE® Paint System is to be applied. Refer to Section 1.03 in the PERMA-WHITE® Specification (Limitations).
- The project manager is required to perform periodic inspections during the installation to insure the specification is being followed by the winning contractor.
- The project manager must supply Zinsser with an executed verification form complete with original invoices for materials used on the job within 30 days of completion of the project.

Project Manager signature and date: _____, _____
Project Manager Date

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Project Number _____

The PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint Project Verification Form

I, _____, the project manager for _____
(project name) hereby certify that I fulfilled all the required procedures as agreed to on the **PERMA-WHITE®** Project Registration form dated _____. I am enclosing the original invoices for the materials used on the job that was completed on _____.

I understand that upon receipt of this project verification form and corresponding invoices, Zinsser will issue the **PERMA-WHITE®** 5-Year Limited Warranty directly to the property owner.

Signature _____

Date _____

Mail Project Verification Form and Original Invoices to:
ZINSSER Co., Inc., Commercial Department, 173 Belmont Drive, Somerset, NJ 08875

Questions? Contact the Commercial Department @ 732-469-8100

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PERMA-WHITE[®]

Mold & Mildew-Proof[™]* Interior Paint

A high performance acrylic interior paint uniquely formulated to beautify and protect interior surfaces while preventing mold & mildew growth on the paint film for FIVE YEARS. **PERMA-WHITE[®]** passes severe ASTM D5590 and D3273 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 LIFETIME DURABILITY guarantee (see limited warranty). Ideal for Commercial, Industrial, or IAQ Remediation jobs as well as for Residential use.

Selection Data

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

Performance Characteristics

- Mold & Mildew-Proof[™]* paint film guaranteed for 5 years
- Lifetime durability guarantee – resists fading, peeling and blistering (see warranty)
- Antimicrobial – inhibits the growth of odor causing microbes on the paint film (does not protect against food borne or disease-causing bacteria).
- Self-priming – bonds to glossy and hard-to-paint surfaces
- Easy application properties, high hide, great touch-up
- Washable/scrubbable, moisture and stain resistant finish
- Tintable to a wide variety of colors
- Low VOC, low odor, fast drying – recoat in 2 hours
- Soap and water cleanup

Recommended Uses – For application to interior walls, wall cavities, ceilings, trim, doors, and related paintable surfaces. Ideal for bathrooms, basements, kitchens, laundry rooms, mud rooms, closets, locker rooms, hot tub rooms, enclosed porches and pool areas or any interior where mold & mildew are a concern. Great for institutional or commercial use in schools, hospitals, hotels, nursing homes, restaurants, athletic facilities, etc.

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.

Coverage – A single coat applied at 1.5 mils dried film thickness (DFT) covers approximately 400 sq. ft. (37m²) per gallon. 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 interior use on new or previously painted gypsum drywall, cured plaster, cement, poured concrete and stucco; concrete block; ceramic tile; primed or previously painted wood and metal; vinyl paneling; aluminum;

rigid, paintable plastics, laminates, and other paintable surfaces.

PERMA-WHITE[®] will adhere to gloss or semi-gloss paints, existing wallcoverings, ceramic tile and similar glossy surfaces without prior sanding.

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

Surfaces must be clean, sound and free of dirt, dust, grease, wax, wallcovering adhesive, soap film, loose paint or other surface contamination. **Remove all existing mold and mildew before painting. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal.** Clean surfaces with **JOMAX[®] Interior Mold & Mildew Cleaner** or a solution of one cup household bleach per gallon of water or for commercial and remediation projects use **PERMA-WASH[™] Disinfectant & Fungicide**, an EPA approved biocidal wash.

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. Wear a NOISH-approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Stains – Rust, tannin, grease, mold & mildew and other stains should be blocked with the appropriate stain killing primer-sealer such as B-I-N[®] or Bulls Eye[®] Odorless. When priming over stained areas, first attempt to remove as much of the stain as possible by washing, sanding, scraping, etc.

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 (2000-2600 PSI) pressure. Apply when air and surface temperatures are between 50° and 90° F (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 (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 5 to 7 days as **PERMA-WHITE[®]** cures. If used above tile on shower walls, wait at least 24 hours before using shower. Do not scrub the new coating for seven days.



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

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.

Typical Physical Properties

Solids by Weight 57% (E), 54% (S), 51% (SG)
Solids by Volume 41% (E), 38% (S), 38% (SG)
Weight (lb./gallon) 11.6 (E), 11.9 (S), 10.6 (SG)
Required Number of Coats Two
Spread Rate 4.0 mils WFT per coat
 1.5 mils DFT per coat

Theoretical Coverage @ 1.5 mils:

Smooth Surface 400 sq. ft./gallon
Brush or Roller Application 350 sq. ft./gallon
Airless Sprayer 300 sq. ft./gallon
VOC Max 50 gr/liter
Flashpoint (Setaflash) >200° F (>93.3° C)
Perm Rating 4.3 (E), 4.5 (S), 4.5 (SG)
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°
 Eggshell 5-8% 15-20%
 Satin 18-23% 47-53%
 Semi-Gloss 50-55% 80-85%

Shelf Life 60 mos. @ 75° F (24° C)
Storage/Handling Store indoors
 40° – 80° F (4° – 26° C)
 Freeze/thaw stable

Limitations

PERMA-WHITE® Mold & Mildew-Proof™* Interior Paint is not intended for application to floors or any surface subject to water immersion or prolonged contact with water including shower enclosures, saunas or steam rooms. Not recommended for use in HVAC duct work.

Precautions

Safety: Warning! Do not get in eyes. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Wear eye and skin protection. Avoid contact with skin and clothing. Wash thoroughly after handling. Do not swallow. If swallowed call a physician or Poison Control Center. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure good cross ventilation during application and drying. If you experience difficulty in breathing, eye watering, headache, or dizziness, increase fresh air; wear an appropriate, properly fitted (NIOSH approved) respirator; or leave the area to obtain fresh air. **WARNING:** this product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm. Keep container closed when not in use. **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.

Limited Warranty

PERMA-WHITE® Mold & Mildew-Proof™* Interior 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 so long as you reside in your home and is made to the original residential consumer paint purchaser 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, check with your dealer or call ZINSSER Co., Inc.

Packaging and Shipping Information

PERMA-WHITE Eggshell Finish

Unit Size	Code	Product UPC	Carton Code	Harmonized Code	Hazmat Code	Case Pack	Case Wt. Lbs.	Dimensions	Case Vol. In.	Pallet Pack	Pallet Size
5 gal	02770	0-47719-02770-6	N/A	3209.90.0000 4	N/A	1	63	12" x 12" x 15"	1,935	36 pails	48 x 36
1 gal	02771	0-47719-02771-3	4-00-47719-02771-1			2	26	14" x 7 1/4" x 7 3/4"	786	90 cs	42 x 42
1 qt	02774	0-47719-02774-4	6-00-47719-02774-6			6	21	13" x 8 3/4" x 5 1/4"	597	112 cs	42 x 42

PERMA-WHITE Satin Finish

Unit Size	Code	Product UPC	Carton Code	Harmonized Code	Hazmat Code	Case Pack	Case Wt. Lbs.	Dimensions	Case Vol. In.	Pallet Pack	Pallet Size
5 gal	02700	0-47719-02700-3	N/A	3209.90.0000 4	N/A	1	63	12" x 12" x 15"	1,935	36 pails	48 x 36
1 gal	02711	0-47719-02711-9	3-00-47719-02711-0			2	26	14" x 7 1/4" x 7 3/4"	786	90 cs	42 x 42
1 qt	02704	0-47719-02704-1	3-00-47719-02704-2			6	21	13" x 8 3/4" x 5 1/4"	597	112 cs	42 x 42

PERMA-WHITE Semi-Gloss Finish

Unit Size	Code	Product UPC	Carton Code	Harmonized Code	Hazmat Code	Case Pack	Case Wt. Lbs.	Dimensions	Case Vol. In.	Pallet Pack	Pallet Size
5 gal	02750	0-47719-02750-8	N/A	3209.90.0000 4	N/A	1	63	12" x 12" x 15"	1,935	36 pails	48 x 36
1 gal	02761	0-47719-02761-4	3-00-47719-02761-5			2	26	14" x 7 1/4" x 7 3/4"	786	90 cs	42 x 42
1 qt	02754	0-47719-02754-6	3-00-47719-02754-7			6	21	13" x 8 3/4" x 5 1/4"	597	112 cs	42 x 42

ZINSSER Co., Inc. 173 Belmont Drive Somerset, NJ 08875 (732) 469-8100 www.zinsser.com

Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact ZINSSER Co., Inc. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zinsser quality control and assume no responsibility for coverage, performance, or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.

ZINSSER Co., Inc.

173 Belmont Drive, Somerset NJ 08875

An **RPM** Company

1/06

PERMA-WASH[™] DISINFECTANT & FUNGICIDE INTERIOR CONCENTRATE

PERMA-WASH[™] Disinfectant and Fungicide Interior Concentrate is a disinfectant, fungicide, virucide*, bactericide, mildewcide and mildewstat. It also provides exceptional cleaning and deodorizing. PERMA-WASH[™] has broad-spectrum efficiency and economy for commercial, institutional and industrial disinfection in hospitals, medical and dental offices, nursing homes, industrial and institutional facilities.

PERMA-WASH[™] is EPA registered for mold & mildew control on hard surfaces in Hospitals, Institutions, and Homes. Its fast mode of action makes it the perfect product for effective single operation mold & mildew control. The ability of PERMA-WASH[™] to counteract and oxidize odors offers a definite plus to its disinfecting activity.

Selection Data

Generic Type – Unique Cryocide[®] Disinfectant Brand technology - A combination of Chlorine Dioxide, Quaternary Ammonia, and surfactant that produces a highly potent broad spectrum biocide concentrate that is less damaging than household bleach – lower odor; less corrosive; and it won't discolor.

EPA Data –EPA Reg. No. 9150-11-71240. NOTE: IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Performance Characteristics

- **Fast mode of action** – it works rapidly and thoroughly to control mold & mildew on hard surfaces in a single treatment.
- **Odor counteractant** – oxidizes malodors. Provides exceptional cleaning and deodorizing without the damage or discoloration that bleach can cause.
- **Disinfectant, fungicide, virucide*, bactericide, mildewcide and mildewstat** – broad-spectrum efficiency and economy for commercial, institutional & industrial disinfection. *Human Immunodeficiency Virus Type 1 (HIV-1)(AIDS Virus) • Herpes Simplex Virus Type 1 and 2 • Influenza A2 (Hong Kong-68) Virus on Inanimate Environmental Surfaces.

Recommended Uses – PERMA-WASH[™] is recommended for use on hard, non-porous surfaces such as walls, floors, basins, bathroom fixtures, sinks, bathtubs, chairs, counter-tops, tables, sinks, toilets, urinals and other hard, non-porous surfaces.

PERMA-WASH[™] can be topcoated with any latex, alkyd, or shellac base clear or pigmented paint or coating. It will not damage (cured) paint films making it excellent for maintenance. (Follow label dilution directions. Pretest painted surfaces for color retention).

Application Data

Mixing instructions- **For treating mold and mildews:** A gallon of **PERMA-WASH[™]** makes 5 gallons of solution; five gallons of **PERMA-WASH[™]** makes 25 gallons. Actual coverage will depend upon quantity applied and porosity of the surface.

To Treat Surfaces Contaminated With Mold & Mildew

1. Mix 1 part PERMA-WASH[™] Concentrate with 4 parts water.
2. Remove all heavy build-up of gross filth and loose debris from areas to be treated. To reduce spore spread, pre-treat with PERMA-WASH[™]. Wait 10 minutes.

3. After heavy debris is removed, re-apply PERMA-WASH[™].

Application: Use a commercial low-pressure sprayer 6 to 8 inches from the surface or use a mop, sponge, wipe or other suitable device.

Note: Where mist or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. In the absence of proper environmental controls, a NIOSH approved respirator is advised.

4. Make sure the treated area is thoroughly wet for at least 10 minutes and allow to air dry. Remove any mold debris remnants.
5. Repeat every 7 days or more frequently if growth reoccurs.

NOTE: Since dead mold spores – even those turned white or invisible by bleaching – can be a food source for future mold growth, it is essential that even dead mold be removed by cleaning or scrubbing. PERMA-WASH[™] works rapidly on mold spores while allowing for effective visual removal of any remaining mold debris.

For Preventative Maintenance Against Mold & Mildew

1. Mix 1 part PERMA-WASH[™] Concentrate with 7 parts of water.
2. Follow Steps 2 – 4 listed above.
3. Repeat application at weekly intervals or when growth appears.

Hospitals, Medical and Dental Offices, Nursing Homes Disinfection & Virucidal (against HIV-1, Herpes Simplex and Influenza):

Use undiluted (neat) Apply undiluted PERMA-WASH[™] to hard, non-porous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge or sprayer, or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled surfaces, a pre-cleaning is recommended. **Rinse all surfaces that come in contact with foods such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.** For sprayer applications, use a coarse spray device. Spray 6 to 8 inches from the surface rub with a brush, sponge or cloth. Do not breathe spray. This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body,



Either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi critical medical devices prior to sterilization or high-level disinfection.

***SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATING AGAINST HIV OR SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS**

that involve healthcare settings or other settings in which there is an unexpected likelihood of soiling of inanimate surface/objects with blood or body fluids, and in which the surfaces/objects soiled with blood or body fluids can be associated with the transmission of HIV-1. PERMA-WASH™ Disinfectant and Fungicide destroys HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood or other body fluids in 30 seconds contact.

Personal Protection: The worker should wear disposable latex gloves or rubber gloves, gown, mask and eye protection to prevent contamination from soiled items.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of PERMA-WASH™ Disinfectant and Fungicide Interior Concentrate.

Contact Time: Allow PERMA-WASH™ Disinfectant and Fungicide to contact treated items for 30 seconds. This time will not control other common types of viruses and bacteria.

Disposal of Infectious Material: Any blood or other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Shelf Life 12 months from date stamp

Storage/Handling Store indoors
40°F – 80°F
Keep away from extreme heat.

IMPORTANT NOTE:
EPA Reg. No. 9150-11-71240
(Not available for sale in California).

Limited Warranty

This product will perform as claimed when used according to label directions. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents are warranted to be free of defects for one year from date of manufacture. All warranties and guarantees are limited to replacement or refunded value of product actually used when supported by proof of purchase. This guarantee is not transferable. If you have a question, check with your dealer or call ZINSSER CO., Inc.

PRECAUTIONARY STATEMENTS: Hazards to Human & Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with skin eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/recapture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Cryocide® is a registered trademark of International Dioxide, a Dupont Company.

Packaging and Shipping Information

Unit Size	Code	Product UPC	Carton Code	Harmonized/ HazmatCode	Case Pack	Case Wt. Lbs.	Dimensions	Case Vol. Inches	Pallet Pack	Pallet Size
1 gallon	60601	0 47719 60601 7	4 00 47719 60601 5	3808.30.0000	4	38	14 " x 7 1/2" x 10 1/2"	1,102	144	42 x 42
5 gallon	60600	0 47719 60600 0	N/A	Non Haz-Fung	1	43.0	12 3/4" x 9" x 13"	1,492	36	42 x 42



Zinsser Co., Inc.

173 Belmont Drive, Somerset NJ 08875 An RPM Company

READY PATCH™

Spackling & Patching Compound

- ◆ Heavy-bodied professional formula
- ◆ Use on interior and exterior surfaces
- ◆ Dries quickly and sands easily
- ◆ May be primed or painted when dry to touch
- ◆ Shrink-resistant – will not crack or pull from edges
- ◆ Cures to a rock-hard finish - strengthens the surface
- ◆ Excellent adhesion to metal, tile and other surfaces

Selection Data

Generic Type – Casein resin emulsion

Recommended Uses – Recommended for filling cracks, holes, gouges, dents and surface imperfections on walls, trim, doors, cabinets, furniture, siding, fascia, soffets, foundations, and related interior and exterior architectural substrates. READY PATCH is ideal for filling dents in metal doors and skimcoating interior plaster and drywall. Not recommended for skimcoating exterior surfaces.

Color/Tinting – READY PATCH is off-white in color. For applications where it is necessary to differentiate the color of the spackling paste from the color of the substrate, add few drops of universal colorant and blend in thoroughly.

Substrates – READY PATCH is recommended for application to the following substrates: new or previously painted wood (including plywood, T-1-11, and pressure-treated wood), hardboard, metal (including aluminum, iron, steel, copper, and galvanized metal), drywall, cured plaster, masonry (including stucco, concrete block, poured concrete, and brick). READY PATCH will develop adhesion to glossy surfaces such as metal, tile, etc. provided that such surfaces are clean and free of contamination or poorly adhered existing finishes.

Application Data

Surface Preparation – Surfaces to be patched must be clean, dry, and in sound condition. If necessary, wash thoroughly with detergent and water to remove dust, dirt, grime, and other contaminants that can interfere with adhesion. Rinse well and let dry before patching. Remove any poorly adhering existing coatings by the best



available means, usually sanding and/or scraping. Remove loose, dried caulk and replace where necessary.

Note: Very deep holes requiring an epoxy-based wood filler or concrete/cement patch should be filled with these materials. Areas that are normally caulked should be filled with the proper caulking material. Countersink exposed nail heads and prime with an appropriate stain killing primer.

Application Requirements – Apply as many coats as necessary to fill the hole or imperfection level with the surrounding surface.

Application Methods – READY PATCH should be applied with a clean putty or spackling knife. In general use a 1" putty knife for nail holes and cracks; a 2" knife for larger gouges, a 3" to 6" knife for skimcoating exterior siding, etc. Spread READY PATCH over the hole and remove excess until product is smooth and flush with the surface. If holes are wide and over 1/4" deep two or more applications are recommended. If sanding is not necessary or desired, READY PATCH may be primed or painted when dry to the touch. Otherwise, wait until product has fully dried before sanding smooth. Prime patched areas before painting to prevent excessive absorption of paint. For best results prime the entire surface after spot priming patched areas. Note: READY PATCH cures to a very hard, smooth finish and may be more difficult to sand after drying overnight. Prime patched areas before painting. Prime patched areas before painting to prevent excessive absorption of paint. For best results apply an appropriate primer to the entire surface after spot priming patched areas.

Coverage – Approximately 13 sq. ft. per gallon applied at a thickness of 1/8 inch. Application losses will vary according to the depth and extent of the cavities being filled and the quantity of product used.

Application Conditions

Do not apply product if temperature or humidity is outside the following ranges:

Humidity: 0% – 95%
Temperature: 40° – 90° F (4° – 32° C)

Note that higher temperatures and lower humidity will accelerate the dry time and cure time of the product while lower temperatures and higher humidity will slow down the dry time and cure time.

Thinning

If thinning is necessary add water sparingly and mix thoroughly.

Cleanup

Clean up excess or dropped portions of product while soft with a damp rag. If product dries it may be removed by scraping, sanding, or washing. Clean tools in warm, soapy water immediately after use. If product has dried on application tool soak the tool overnight in a solution of detergent and water. Scrub clean with a stiff brush.

Typical Physical Properties

Solids by weight 70%
Solids by volume 47%
Density 13 lb. per gallon
Flashpoint (Seta flash) >200° F (93° C.)
Shelf Life @ 75°F. (24°C) 36 months
Storage/Handling 35°– 90° F (4°– 27° C.)
Keep from freezing

Warranty

READY PATCH will perform as claimed if directions are followed. Directions are as complete as possible, but cannot encompass all conditions, applications, techniques and/or surfaces that are beyond our control. If you have a question, check with your dealer or contact Zinsser Co., Inc. Warranty is limited to replacement or refund value of product actually used if such product proves defective within two years of manufacture.

Precautions

Keep out of reach of children. Do not take internally. Wear NIOSH-approved dust mask when dry sanding.

Packaging and Shipping Information

Unit Size	Item #	Product UPC	Carton Code	Case Pack	Case Wt. Lb.	Dimensions x W x H	L Case Vol. Cu. Ft.	Pallet Pack	Pallet Size
Gallon	04421	0-47719-04421-5	2-00-47719-04421-9	2	26	13.63 x 7.00 x 8.38	0.46	90 cs	42 x 42
Quart	04424	0-47719-04424-6	3-00-47719-04424-7	6	21	13.00 x 8.75 x 5.50	0.36	112 cs	42 x 42
½ Quart	04428	0-47719-04428-4	8-00-47719-04428-0	12	21	13.00 x 8.75 x 5.63	0.37	112 cs	42 x 42
½ Pint	04429	0-47719-04429-1	8-00-47719-04429-7	12	11	11.75 x 9.00 x 3.50	0.21	320 cs	42 x 42

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CAUTION: Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact Zinsser Co. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zinsser quality control and assume no responsibility for coverage, performance, or injuries from use.

GARDZ[®]

High Performance Sealer
For Porous Surfaces Prior
Wallcovering, Painting & Texturing

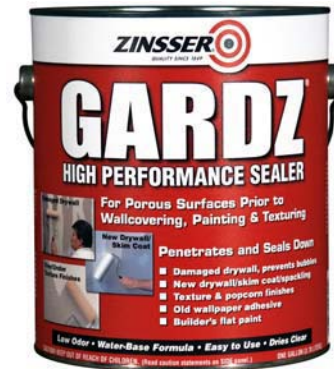
Generic Type – Clear, water-base, acrylic resin sealer

Performance Characteristics

- Penetrates deeply into porous surfaces
- Dries fast to a hard, moisture-proof film
- Prevents drywall blistering/bubbling
- Binds down chalky surfaces
- Strengthens soft texture finishes
- Seals in residual wallpaper paste
- Can be applied to high-pH surfaces
- Clear, low odor, water-base formula

Recommended Uses – Apply to interior walls, ceilings and related surfaces. GARDZ is recommended for sealing problem porous surfaces such as bare and damaged drywall, plaster, cement and cementitious coatings, spackling paste and joint compound, calcimine, stucco, acoustic and texture finishes, uncoated wallpaper, etc. GARDZ will also adhere to and seal in old wallpaper paste and adhesive residue. GARDZ has a milky-blue color that helps to determine where it has been applied but dries water clear. It is formulated for use directly from the container; tinting is not recommended.

- **Damaged Drywall** - GARDZ prevents bubbles that form when damaged drywall is skim coated with spackling or joint compound. GARDZ penetrates and seals damaged facing paper, restoring it to a sound surface for repairs, suitable for painting or wallcovering.
- **New Drywall/Joint Compound and Spackling** - GARDZ penetrates and uniformly seals, creating a moisture-resistant film that protects drywall from blistering, tearing and other damage when redecorating in the future.
- **Plaster** – Allow new plaster to cure at least 24 hours before applying GARDZ. Before priming old, bare plaster with GARDZ be sure to determine that the surface is clean, dry and in sound condition, taking care to repair any cracks or holes with spackling paste or joint compound before sealing the surface.
- **Calcimine** - GARDZ penetrates calcimine more effectively than oil-base coatings and has a much lower odor. Because it resists moisture, GARDZ prevents water-base topcoat paint or texture finishes from softening up calcimine layers underneath.
- **Wallpaper Adhesive Residue** - Water-base coatings or texture finishes will reactivate old wallpaper adhesive, resulting in cracking and peeling. GARDZ is formulated to completely seal in residual adhesive and prevent it from ruining water-base topcoats and texture finishes.
- **Texture and Popcorn Finishes** - Use GARDZ to seal textured walls and popcorn ceilings before applying water-base primer or paint. GARDZ penetrates soft or crumbly texture material and hardens it, creating a durable, water-resistant barrier that prevents primer or paint from softening texture material underneath.



Product No.

02300

02301

02304

- **Old Uncoated Wallpaper** - To determine if the wallcovering is a true paper wipe a wet sponge across the surface – if the water is readily absorbed it means there is no vinyl coating. This type of wallcovering can be effectively sealed with GARDZ.

Surface Preparation - Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive or any contamination that may interfere with adhesion. If unsure, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Countersink exposed nailheads and fill all nailholes and gouges with Ready Patch[®]. Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. **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. Wear a NIOSH-Approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application Conditions – Apply when temperature is above 50° F (10° C) and below 90° F (32° C). Warmer temperatures will accelerate and colder temperatures will prolong the dry time of this product. Do not apply if humidity is greater than 85%. Close container after each use.

Application Methods – Stir well before using. Do not thin. Using a brush, medium nap roller or sprayer, apply GARDZ liberally to the entire surface to ensure good penetration. Do not over-apply or coating will sag. GARDZ appears milky blue-white during application but dries water-clear; properly sealed surfaces should have a uniform sheen when viewed at an angle. Reapply to areas that have been missed or not sufficiently coated.

Keep container closed when not in use.

- Brush – For best results use a quality nylon/polyester or other, similar, synthetic blend bristle brush with flagged tips.
- Roller – Use a roller with a 3/8" or less synthetic nap or use the Zinsser WallWiz® Roller. Apply GARDZ to walls from the bottom up to prevent product from running down the wall. For ceiling applications where a roller would be too messy or disruptive (popcorn ceilings, for example) GARDZ may be applied using a power sprayer or garden sprayer (see below).
- Sprayer – GARDZ may be applied using HVLP or airless sprayer systems. Use a .011 to .013 tip and 800 to 1200 psi for airless application. Maintain a distance of at least 18 to 24 inches between the spray tip and the surface. If surface is too fragile for power sprayer application, GARDZ may be applied with a garden sprayer. For best results, use a sprayer with a clean 2-gallon plastic tank. Pour GARDZ into the tank and pressurize according to manufacturer's directions. Adjust the nozzle setting to dispense the product in a fine, consistent, fan pattern, keeping the sprayer tip at least 12 to 18 inches from the surface. Follow manufacturer's instructions for clean up and storage and protect adjacent areas from over-spray.

Drying Time – Dries to touch in 30 minutes. Porous surfaces that have been sealed with GARDZ are ready for finish coating or wallpapering after 3 hours.

Topcoating/Wallpapering – When dry, GARDZ may be topcoated with any standard architectural water-base or oil-base primer or topcoat paint. GARDZ is compatible with all types of joint compounds and spackling pastes and any texture or popcorn finish may be applied over it. Although wallpaper may be installed directly over any surface that has been coated with GARDZ, some types of wallpaper and translucent wallcoverings may require an additional coat of an opaque primer such as **SHIELDZ® Universal**.

Coverage – Approx. 350 – 450 sq. ft. (33 – 42 m²) per gallon. Textured or skim coated surfaces will be very absorbent and may require a second coat. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Cleanup – Clean up spills and drips with a wet, soapy 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 ammoniated household detergent 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 – Not recommended for floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

Precautions - WARNING! May cause eye and skin irritation. Avoid contact with eyes and skin. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Do not take internally. If swallowed call a physician or poison control center. Use with adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.**

Warranty – GARDZ is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warranties and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

Typical Physical Properties

Percent Solids, Weight:	26.0%
Percent Solids, Volume:	22.0%
Density:	8.4 lb. (3.81 kg)/gal
Viscosity Range:	100 – 500 cps (74F)
Theoretical Spread Rate @ 1 mil DFT:	350 sq. ft on porous surfaces
Dry Time @ 75° F/50% RH:	Touch: 1 hours Recoat: 3 hours
Dry Film perm rating:	26 perms
Alkaline resistance:	≤12.5 pH
Flame Spread (ASTM-84-97A):	5, Class 1
Flash Point (ASTM D3278):	>200° F (>93° C)
Flammable Limits in Air	Lower (LEL): xx Upper (UEL): xx
VOC:	<100 g/L
Freeze/Thaw Stable:	KEEP FROM FREEZING.
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° – 90° F (4° – 32° C)

Technical Assistance - Available through local authorized Zinsser dealers. For the dealer nearest you call 732-469-8100 or visit our website at www.zinsser.com.

Packaging

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	2300	1	44 lbs.	36 ea.
1 gallon	2301	4	37 lbs.	45 cs.
1 quart	2304	6	15 lbs.	112 cs.

ZINSSER Co., Inc. 173 Belmont Drive Somerset, NJ 08875

CAUTION: Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact ZINSSER Co. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zinsser quality control and assume no responsibility for coverage, performance, or injuries from use.



Technical Data Bulletin

ZINSSER Co., Inc.

173 Belmont Drive, Somerset NJ 08875 An RPM Company

Bulls Eye® Water-Base Interior High-Build Primer-Sealer



Product No.
02240
02241

Generic Type – Acrylic resin water-base interior primer-sealer

Performance Characteristics

- Seals interior porous surfaces in one coat
- Dries fast to a dead-flat finish
- Sand easily to a powdery-smooth finish
- Bonds to glossy surfaces without scuff sanding
- Rust inhibitive – may be used to prime ferrous metal
- Dried film is mold and mildew resistant
- Binds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour

Recommended Uses – Apply to interior walls, ceilings, doors, trim, railings, and related paintable surfaces. Bulls-Eye Water-Base bonds to gloss enamels and clear finishes, hardboard, glass and tile. Provides flash rust resistance in its 'wet state' when coating iron railings, steel frames, piping, etc. Seals porous surfaces including drywall and masonry. Resists grain raise on new woods and sands easily to a powder in just one hour making it a great enamel undercoater. Bulls Eye Water-Base is an ideal fast dry universal base coat for full-surface interior applications by brush, roller or airless spray.

- All-surface primer-sealer – A single coat of high build Bulls Eye Water-Base is usually all that is needed to hide dark colors and seal porous surfaces in preparation for the finish coat. Tint the primer toward the topcoat for better consistency in color and sheen while sealing the surface will extend topcoat coverage.
- New wood sealer – In addition to great hide and sealing, Bulls Eye Water-Base resists grain raise on new wood and sands easily to a powder in just one hour for glassy smooth finishes, making it a great enamel undercoat.
- Flash Rust Resistant – Resists flash rusting in its 'wet state' when applied to ferrous metals to prevent rust from forming and bleeding through the topcoat.
- Glossy Surfaces – Adheres to glossy enamel paints and clear finishes, Formica®, Masonite®, PVC, fiberglass, vinyl – even ceramic tile – without pre-sanding or surface de-glossing.

Application Data

Surface Preparation - Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive or any contamination that may interfere with adhesion. If unsure, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Remove existing stains by washing, sanding, scraping, etc. Countersink exposed nailheads and fill all nailholes and gouges with Ready Patch®.

Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer. Spot prime knots and sap streaks with Zinsser B-I-N® Primer-Sealer before priming full surface with Bulls Eye Water-Base.

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. Wear a NIOSH-Approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

Application Conditions – Apply when air and surface temperature is between 50° and 90° F (10° and 32° C) and relative humidity is less than 70%. Substrate moisture content should not exceed 12%.

Application Methods – Shake or stir before using. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat paints. For best results prime entire surface before painting. Keep container closed when not in use.

- Brush, Roller or Pad – Use synthetic (nylon, polyester or blend)
- Airless Sprayer – .015 – 0.17" tip @ 2500 to 2700 PSI
- Conventional Sprayer – Spray at 50 – 60 PSI

Tinting – Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps it hide in one coat. For mid or deep-tone colors use Bulls Eye 1-2-3 DEEP TINT. (Note that the addition of universal colorant may prolong the dry time of this product)

Thinning – If thinning is necessary add no more than 10 fl. oz. (296 ml) clean water per gallon and stir thoroughly. Note that thinning the primer may affect its stain-blocking properties.

Dry Time – In most cases Bulls Eye Water-Base will dry to the touch in 30 minutes and can be recoated after 1 hour. The dry primer film develops full adhesion after it cures in 7 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

Coverage – Approx. 400 sq. ft. (37 m²) per gallon on smooth, painted, non-porous surfaces; 300 sq. ft. (28 m²) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Cleanup – Clean up spills and drips with liquid detergent and warm water. If spills or drips have dried use denatured alcohol or ammoniated detergent to soften and remove primer. Wash application tools in a solution of detergent and water immediately after use. If dried on tools let soak overnight in a solution of equal parts ammoniated detergent and water. Scrub bristles clean with a wire brush. Follow manufacturer's instructions when cleaning spray equipment.

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

Precautions

Keep away from children. Do not take internally. Avoid inhalation of spray or prolonged skin contact. 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.

Warranty – Bulls Eye Water-Base is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warranties and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

Typical Physical Properties

Percent Solids, Weight:	56.0%
Percent Solids, Volume:	38.0%
Density:	11.6 lb. (5.22 kg)/gal
Viscosity Range:	90 – 95 KU
Theoretical Spread Rate @ 1 mill DFT:	540 sq. ft (50 m ²)/gal
Dry Time @ 75° F/50% RH:	Touch: 35 min Recoat: 1 hour
Stain Sealing @ 75° F/50% RH:	2 hours 24 hrs over cedar
Adhesion Cure @ 75° F/50% RH:	5 – 7 days
Cured Gloss @ 60°:	<3% (flat)
Cured Enamel Holdout:	<5% change on high Enamel gloss
Flame Spread (ASTM-84-97A):	5, Class 1
Smoke Contrib. (ASTM-84-97A):	0, Class 1
Flash Point (ASTM D3278):	>200F
VOC:	100 g/L
Freeze/Thaw Stable:	Yes
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° – 80° F (4° – 27° C)

Limitations – Not intended for blocking heavy water stains, for exterior application or for application to floors, decks, or any surface subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

Technical Assistance - Available through local authorized Zinsser dealers. For the dealer nearest you call 732-469-8100 or visit our website at www.zinsser.com.

Packaging

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	02240	1	59 lbs.	36 ea.
1 gallon	02241	4	47 lbs.	45 cs.
1 quart	02244	6	18 lbs.	112 cs.

ZINSSER Co., Inc. 173 Belmont Drive Somerset, NJ 08875

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Technical Data Bulletin

ZINSSER Co., Inc.

173 Belmont Drive, Somerset NJ 08875 An RPM Company

Bulls Eye 1-2-3®

Water-Base Primer-Sealer/Stain Killer/Bond Coat

Generic Type – White pigmented, styrenated acrylic water-base primer-sealer stain killer & bond coat.

Performance Characteristics

- Bonds to glossy surfaces without scuff sanding
- Formulated with proprietary stain-blocking resins
- Rust inhibitive – may be used to prime ferrous metal
- Dried film is mold and mildew resistant
- May be applied to high pH surfaces (up to 12.5)
- Binds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour
- Approved for use in food processing establishments

Recommended Uses – Apply to interior and exterior walls, ceilings, doors, trim, fascia, soffits, foundations, railings, and related paintable surfaces. Bulls-Eye 1-2-3 bonds to wood, plaster, concrete, gloss enamels, hardboard, glass and tile. Provides a rust inhibitive coating on iron railings, steel frames, piping, etc. Resists the growth of mold and mildew on primer film in damp, humid environments. Resistant to high pH surfaces (up to 12.5) including; plaster, poured concrete, concrete block, stucco and 'hot' joint/texture compounds. Seals porous surfaces and traps most stains in the primer film – graffiti, grease, rust, cedar & redwood tannin, creosote, and asphalt stains. Some stains may require a second coat.

- Interior - New and previously painted drywall, plaster/ cement based coatings, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, iron, steel, stainless steel, galvanized metal), vinyl, PVC, fiberglass, masonry (stucco, concrete block, poured concrete, brick).

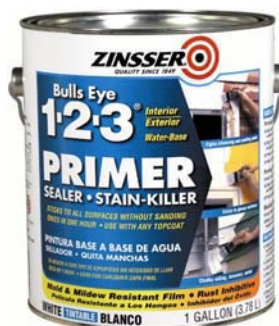
- Exterior - New or previously painted wood (pine, fir, cedar, redwood, T-111, plywood, pressure treated wood), hardboard, asbestos shingles, glass, metal (aluminum, iron, steel, stainless steel, galvanized metal), PVC, rigid plastics, aluminum and vinyl siding, fiberglass and masonry (stucco, concrete block, poured concrete, HardiPlank®, brick).

- Rust Inhibitive – Dries to a tight, water resistant film that inhibits development and spread of rust on metal. Remove rust and wipe surface clean with a rag dampened in alcohol.

- Mold & Mildew Resistance – Resists the growth of mold and mildew on the primer film.

- High pH Resistance – Can be applied to high pH surfaces (up to 12.5) without bubbling, lifting or degrading due to high alkalinity making it an ideal primer for concrete, stucco, plaster & fast setting joint/texture compounds.

- Cedar & Redwood Bleed – Traps tannins in the primer film to prevent them from 'bleeding' into the finish coat. For best results, allow to dry overnight before applying topcoat. Very porous woods may require two coats before topcoat.



Product No.

02000

02001

02004

Chalky Siding – Contains chalk-binding resins for use on moderately chalked aluminum or previously painted siding and trim.

Glossy Surfaces – Adheres to glossy enamel paints and clear finishes, Formica®, Masonite®, PVC, fiberglass, vinyl – even ceramic tile – without pre-sanding or surface de-glossing.

Surface Preparation - Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive or any contamination that may interfere with adhesion. If unsure, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers. Attempt to remove existing stains by washing, sanding, scraping, etc. Kill exterior mildew with Zinsser JOMAX® House Cleaner and Mildew Killer. Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers. Countersink exposed nailheads and fill all nailholes and gouges with Ready Patch®. Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer. Spot prime knots and sap streaks with Zinsser B-I-N® Primer-Sealer before priming full surface with Bulls Eye 1-2-3. **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. Wear a NIOSH-Approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

Application Conditions – Apply when air and surface temperature is between 50° and 90° F (10° and 32° C) and relative humidity is less than 85%. Substrate moisture content should not exceed 12%.

Application Methods – Shake or stir before using. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat paints. For best results prime entire surface before painting. Keep container closed when not in use.

- Brush, Roller or Pad – Use synthetic (nylon, polyester or blend)
- Airless Sprayer – Use .015” – .017” tip @ 2000–2500 PSI
- Conventional Sprayer – Spray at 50 – 60 PSI

Tinting – Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps it hide in one coat. For mid or deep-tone colors use Bulls Eye 1-2-3 DEEP TINT. (Note that the addition of universal colorant may prolong the dry time of this product)

Thinning – If thinning is necessary add no more than 10 fl. oz. (296 ml) clean water per gallon and stir thoroughly. Note that thinning the primer may affect its stain-blocking properties.

Dry Time – In most cases Bulls Eye 1-2-3 will dry to the touch in 30 minutes and can be recoated after 1 hour. The dry primer film develops full adhesion after it cures in 7 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

Coverage – Approx. 450 sq. ft. (42 m²) per gallon on smooth, painted, non-porous surfaces; 350 sq. ft. (33 m²) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Cleanup – Clean up spills and drips with liquid detergent and warm water. If spills or drips have dried use denatured alcohol or ammoniated detergent to soften and remove primer. Wash application tools in a solution of detergent and water immediately after use. If dried on tools let soak overnight in a solution of equal parts ammoniated detergent and water. Scrub bristles clean with a wire brush. Follow manufacturer’s instructions when cleaning spray equipment.

Precautions

Keep away from children. Do not take internally. Avoid inhalation of spray or prolonged skin contact. 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.

Warranty – Bulls Eye 1-2-3 is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer’s control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warrantees and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

Typical Physical Properties

Percent Solids, Weight:	50.5%
Percent Solids, Volume:	34.0%
Density:	10.5 lb. (4.76 kg)/gal
Viscosity Range:	3000 – 8000 cps (74F)
Theoretical Spread Rate @ 1 mill DFT:	540 sq. ft (50 m ²)/gal
Dry Time @ 75° F/50% RH:	Touch: 35 min Recoat: 1 hour
Stain Sealing @ 75° F/50% RH:	2 hours 24 hrs over cedar
Adhesion Cure @ 75° F/50% RH:	7 days
Cured Gloss @ 60°:	23% (satin)
Cured Enamel Holdout:	1.0% gloss chg
Cured Wet Adhesion:	Pass 2000 cycles
Cured Flexibility (1/4”Mandrel):	Pass /5A
Flame Spread (ASTM-84-97A):	5, Class 1
Smoke Contrib. (ASTM-84-97A):	0, Class 1
Flash Point (ASTM D3278):	>180° F (82° C)
VOC:	<100 g/L
Freeze/Thaw Stable:	Yes
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° – 90° F (4° – 32° C)

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

Limitations – Not recommended for floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

Technical Assistance - Available through local authorized Zinsser dealers. For the dealer nearest you call 732-469-8100 or visit our website at www.zinsser.com.

Packaging

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	02000	1	57 lbs.	36 ea.
1 gallon	02001	4	47 lbs.	45 cs.
1 quart	02004	6	18 lbs.	112 cs.

ZINSSER Co., Inc. 173 Belmont Drive Somerset, NJ 08875

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Bulls Eye® Odorless Primer-Sealer / Stain Killer / Bond Coat

Selection Data

Generic Type – Acrylic, solvent-base, interior stain blocking primer-sealer

Performance Characteristics

- Odorless high-solids formula
- Excellent stain blocker
- Bonds to glossy surfaces
- Alkali resistant up to pH 12.5
- Bright white, non-yellowing
- Recoat in only 2 hours

Recommended Uses – **Bulls Eye Odorless** is formulated for interior applications where the performance of an oil-base primer is desired but high odor levels are objectionable or not permitted, including schools, restaurants, hotels, and other public buildings. Any slight odor that is detected during application is milder than ordinary latex paint and will diminish quickly after application. Use to prime walls, ceilings, doors, trim, windows, cabinetry. High-solids formula effectively blocks unsightly stains. **Bulls Eye Odorless** is ideal for dingy, stained, and discolored ceilings and may be left unpainted if desired. Simply apply two full coats over drywall, plaster, textured or acoustic tile ceilings.

Color/Tinting – **Bulls Eye Odorless** is white but may be tinted by adding up to 1 fl. oz. (30 ml) universal colorant per gallon.

Coverage – Approximately 400 sq. ft. per gallon (9.8 sq. m.) per liter) at 1.5 mil DFT on smooth surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Application Data

Surface preparation – Surfaces should be clean, dry and free of dust, dirt, chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive, or any contamination that may interfere with adhesion. If unsure, always wash surface with an appropriate cleaning solution or solvent. Remove as much staining material (i.e., rust, grease, etc.) as possible before applying primer. (When using Bulls Eye Odorless aerosol scuff sand glossy surfaces before priming.)

- **Painted surfaces** - Any existing coatings that are not soundly adhered should be removed by the best available means, usually sanding and/or scraping.
- **Other** - Countersink exposed nail heads and fill all nail holes and gouges with Zinsser's READY PATCH® or similar spackling compound. Remove loose, dried caulk and recaulk where necessary.
- **Rust** - Remove rust from iron and steel and prime with a rust-inhibitive primer before painting
- **Mildew** – Destroy existing interior mildew with a mildew-killing cleaning solution.



Application requirements – One coat will be sufficient to prime and seal most surfaces. On very porous substrates a second coat may be necessary.

Priming – Use to prime new or previously painted interior drywall, plaster, cement, poured concrete and stucco; concrete block; wood/metal doors, windows, cabinetry, and trim; aluminum and galvanized metal; rigid plastics; glossy laminates, and other paintable interior surfaces. (When using Bulls Eye Odorless aerosol scuff sand glossy surfaces before priming.) May be used as a primer over new plaster, concrete, stucco, etc or under high pH acoustical finishes. Ideal for application to walls previously painted with builder's grade paint. Spot prime only if topcoat is high hiding flat paint; otherwise, prime the entire surface. Seal knots and sap streaks with B-I-N® Primer-Sealer.

Sealing - Use to seal new drywall, plaster, concrete and concrete block, stucco, joint compound, and other porous surfaces. If necessary, lightly sand new drywall after priming to remove any raised nap fibers.

Stain-killing - One coat of **Bulls Eye Odorless** will effectively block stains - including water, smoke, nicotine, crayon, most types of marker and ink, tannin, graffiti, pencil - and prevent them from bleeding into the topcoat paint. Always allow primer to dry thoroughly before applying topcoat. If desired, apply a second full coat of **Bulls Eye Odorless** and omit the application of ceiling paint.

Application methods – Shake or stir well before using. Apply with a quality brush and/or roller or airless sprayer (.015 tip @ 2500 to 2700 PSI pressure at the tip). Do not thin. Keep container closed when not in use.

Application conditions – Do not apply product if temperature or humidity is outside the following ranges: Humidity: 0% to 85%; Temperature: 40° F. to 90° F. (4° C. to 32° C.)

Drying Time - Dries to the touch in 30 minutes. Allow a minimum of 2 hours dry time before recoating or applying topcoat. Lower temperature and higher humidity will prolong dry time of the product.

Topcoating - **Bulls Eye Odorless** is compatible with latex and alkyd paints. Topcoats containing lacquer thinner, MEK, or similar strong solvents may soften the primer, resulting in diminished gloss. If unsure of topcoat compatibility test apply primer and topcoat on a piece of scrap material.

Clean up – Bulls Eye Odorless cleans up easily. Wipe up fresh spills and drips with a rag and mineral spirits or paint thinner. Clean application tools in mineral spirits immediately after use. Follow manufacturer's directions when cleaning sprayer equipment.

Disposal – Dispose of unused or unwanted product in accordance with applicable federal, state, and local laws and regulations.

Limitations

Bulls Eye Odorless is not recommended for exterior application, floors, or application to surfaces subject to immersion or prolonged contact with water.

Typical Physical Properties *

Solids by weight	70.6%
Solids by volume	43.7%
Density	12.2 lb/gallon (1.46 kg/liter)
Viscosity range	95 – 106 KU
VOC	450 gr./liter
Flashpoint (Setaflash)	106°F. (41°C.)
Dry time (recoat) @ 70° F.	2 hours
Shelf Life	60 months @ 75°F. (24°C)
Storage/Handling	Store indoors 40°F.– 90°F. (4°C. – 32°C.) Freeze/thaw stable

* Aerosol properties may vary slightly due to packaging requirements.

Precautions

WARNING! COMBUSTIBLE LIQUID AND VAPORS. Contains petroleum distillates. Keep away from heat, sparks, and flame. Use with adequate ventilation. May cause eye and skin irritation. Avoid breathing vapor or spray mist and avoid skin and eye contact. Do not take internally. If swallowed, do not induce vomiting. Contact physician or poison control center immediately. Keep container closed when not in use. **Keep Out of Reach of Children.**

Ventilation

Although Bulls Eye Odorless Primer-Sealer has virtually no odor, it contains solvents with vapors that can accumulate in unventilated or poorly ventilated areas during application and while it is drying. When using this or any solvent-based paint, always keep the work area well ventilated with fresh air to prevent the build-up of solvent vapor. If possible, open windows and doors to provide cross ventilation. If this is not possible, use forced ventilation (using explosion-proof fans) to promote the movement of fresh air through the work area.

Warranty

Bulls Eye Odorless will perform as claimed if directions are followed. Directions are as complete as possible but cannot encompass conditions, applications, techniques, and/or surfaces which are beyond our control. If you have a question, check with your dealer or contact Wm. Zinsser & Co., Inc., Somerset, NJ. Warranty is limited to replacement or refund value of product actually used, if such product proves defective within two years of manufacture. No other warranty is expressed or implied.

Packaging and Shipping Information

Unit Size	Code	Product UPC	Carton Code	Case Pack	Case Wt. Lbs.	Dimensions	Case Vol. In.	Pallet Pack	Pallet Size
5 gal	03900	0 47719 03900 6	n/a	1	62	12" x 12" x 15"	2,160	36	42 x 42
1 gal	03901	0 47719 03901 3	4 00 47719 03901 1	4	53	14" x 13 ³ / ₄ " x 8"	1,540	45	42 x 42
1 qt	03904	0 47719 03904 4	6 00 47719 03904 6	6	20	13" x 8 ³ / ₄ " x 5 ¹ / ₄ "	597	112	42 x 42
13 oz	03908	0 47719 03908 2	5 00 47719 03908 5	12	14	10 ¹³ / ₁₆ " x 8 ¹ / ₈ " x 7 ¹⁵ / ₁₆ "	697	126	48 x 40

William Zinsser & Co., Inc. 173 Belmont Drive Somerset, NJ 08875

(732) 469-8100 <http://www.zinsser.com>

CAUTION: Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Wm. Zinsser & Co. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zinsser quality control and assume no responsibility for coverage, performance, or injuries from use.