

SPECIFICATION & WARRANTY INFORMATION FOR **THE ZINSSER V.P.** (Vapor Permeable™) COMMERCIAL WALLCOVERING SYSTEM

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



**Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer contains a mildewcide that prevents growth of mold and mildew on the primer film only.*

**SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive contains a mildewcide that prevents growth of mold and mildew on the adhesive only.*

ZINSSER Co. Inc.

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



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*The information and recommendations provided in this document reflect ZINSSER's best knowledge on the publication date of this document – August 7, 2007. ZINSSER may revise these recommendations without giving notice to document holders. **Contact ZINSSER's Commercial Department (732) 469-8100 to determine whether revisions have been made before implementing the recommendations contained in this document.***

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The ZINSSER V.P. (Vapor Permeable™) Commercial Wallcovering System

INTRODUCTION

Mold and 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. Poor ventilation and excessive moisture/humidity help mold and mildew grow. The EPA maintains that the key to mold control is moisture control. Unless the moisture/water problem is fixed, the mold will keep returning.

The first and best means to avoid mold and mildew is to eliminate sources of moisture through proper 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.

Air-conditioned buildings can draw warm, moist air in through exterior walls. When wallcovering is used in air-conditioned environments, moisture-laden air can condense when it hits the underside of the wallcovering. In these conditions, if the wallcovering is installed with a common primer/sealer and adhesive, this creates ideal conditions for mold. Growth of mold and mildew under commercial wallcovering results in several undesirable consequences: musty odors, unsightly stains and the loss of adhesion to the wallcovering.

It is generally accepted that moisture and potential for mold and mildew growth under wallcovering can be reduced, in part, by controlling the Permeability (Perms) of building materials employed in construction of interior and exterior walls. According to the Department of Housing and Urban Development (HUD), interior walls to and from the wall cavity (drywall, primer, adhesive and wallcovering) should have a total Water Vapor Permeability (WVP) of 5 Perms or greater to allow moisture to escape and effectively control mold growth while the exterior walls should be designed to provide a vapor barrier at 1 Perm or less.

The HUD standard has given rise to the use of permeable, micro-vented and non-woven wallcoverings by property owners, architects and specifiers to provide a means for moisture vapors to escape. However, when these wallcoverings are installed with a common low-perm primer/sealer and adhesive, third party laboratory tests show that the resulting WVP of the wall system is significantly reduced to less than the desired 5 Perm Rating.

In situations where the property owner wants to use a permeable wallcovering, lab testing and field trials support **the use of the ZINSSER V.P. (Vapor Permeable™) System, a two-part highly permeable wallcovering primer/adhesive system. The system provides a method to install permeable wallcoverings and achieve WVP of 5 Perms or greater, as well as eliminate chronic adhesion problems, staining and musty orders caused by trapped moisture and mold and mildew.**

The ZINSSER V.P. (Vapor Permeable™) System consists of **Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer** and **SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive**. The system allows vapor transmission through the primer film and adhesive to reduce the buildup of condensation and the potential for mold & mildew growth and it is formulated with Zinsser's exclusive EPA registered mildewcides which provides added protection against damage to walls and wallcovering caused by mold and mildew.

- **Shieldz V.P.** is a **ONE coat**, high-build, high-hiding, highly permeable and mold & mildew-proof* primer.
- **SureGrip V.P.** is a highly permeable and mold & mildew-proof* professional grade heavy duty clear adhesive for hanging permeable, micro-vented and non-woven commercial wallcoverings.
- When used as a two-part system and applied according to specification, the system provides the property owner a method to use permeable wallcovering without experiencing chronic adhesion loss, staining and musty-odors caused by trapped moisture and mold & mildew for at least 5 years - guaranteed. When used with permeable drywall and wallcovering, the result is a breathable highly mold & mildew resistant wall décor system.

This specification describes the procedure through which property owners may receive **The ZINSSER Mold & Mildew-Proof* Commercial Wallcovering 5-Year Warranty.**

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The ZINSSER V.P. (Vapor Permeable™) Commercial Wallcovering SPECIFICATION

1.00 SCOPE

- 1.01 This specification defines a system for use with permeable wallcoverings to prevent loss of adhesion, staining, and musty odors caused by moisture condensation and mold growth under the wallcovering using the **ZINSSER V.P. (Vapor Permeable™) Commercial Wallcovering System**.

The benefits of this system are achieved through use of a highly permeable and mold & mildew proof™* wallcovering primer and adhesive that allows vapor transmission through the primer film and adhesive, reducing the buildup of condensation and the potential for mold & mildew growth. The benefits are significant because common low-perm primers/sealers and adhesives are known to limit Water Vapor Permeability and provide nutrients for mold and mildew and thereby foster its growth whereas the primer and adhesive used in this system allow moisture to transmit through to prevent mold and mildew growth and contain EPA registered mildewcides that provide maximum mold and mildew protection.

- 1.02 Terminology:

Microvented – wallcovering that has been perforated with micro openings to allow moisture to escape.

Non-Woven – a fabric backing formed by laying a continuous web of random spaced fibers chemically bound together to create a uniform batting.

Water Vapor Permeability (WVP) – the ability of water vapor to pass through a material. The degree of “WVP” of a wall décor system depends on the degree of permeability of the drywall, wallcovering material, primer and adhesive used to install it.

Mold and 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 - is used synonymously with mold and mildew.

Mold and mildew stain - stains or discoloration caused by fungi under the wallcovering that are visible without removing the wallcovering.

Loss of adhesion - the wallcovering becomes detached from the substrate. This type of failure can generally be described as peeling, lifting, curling or bubbling and is the direct result of mold destroying the cohesive properties of the adhesive or primer.

- 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 and mildew growth behind wallcovering is to eliminate sources of moisture through building design, construction and maintenance.

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

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This specification deals only with the specific conditions that may exist under wallcovering and does not address other potential sites for fungal contamination--wall cavities, 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. (See Appendix B for helpful resources).

This system is primarily formulated for use with permeable wallcoverings and bare drywall but can be used with virtually any type of wallcovering or over other surfaces including but not limited to previously painted/primed surfaces, repaired surfaces and previously wallcovered surfaces. Specifically, it is recognized that if the system is used with impermeable wallcovering or over surfaces other than bare drywall, permeability of total wall system will be diminished.

This scope of this specification does not encompass or ensure compatibility with all wallcovering types. Before proceeding with installation, testing as outlined in section 5.04 Quality Assurance on page 10 should be completed and approved by the Person(s) responsible for final approval of the installation.

This system will not prevent damage or deterioration to substrates and materials under the primer 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 and mildew growth other than on the wallcovering primer film or the wallcovering adhesive film.

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 the remediation of mold contamination.

2.02 All cleaners (including bleach), patching compounds, primers, adhesives and wallcoverings 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, hanging instructions, etc., shall be followed.

2.03 **Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer** is a one (1) coat system. Apply at maximum 300 square feet per gallon – 6 mil wet. A total of 2.25/mil dry-film-thickness (DFT) is required. Approximate coverage is 300 sq. ft. per gallon. Spread rate will be reduced depending on the porosity of the surface.

2.04 **SureGrip® V.P. (Vapor Permeable™) Mold & Mildew-Proof™* Commercial Wallcovering Adhesive** must be used as part of the system to install new wallcovering. DO NOT DILUTE. Whip, stir or shake to desired consistency for use in a pasting machine. Use a separate pail if applying adhesive by roller and store balance of undiluted adhesive in original pail with the

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original lid secured. Adhesive applicators (rollers, brushes and paste machines) must be cleaned daily to prevent contamination or spoilage. Adhesive spread rate will vary with wall surface and type of wallcovering. On average, a five-gallon pail of adhesive will hang up to 1400 sq. ft. or 100 linear yards of 54" wallcovering.

- 2.05 All procedures recommended by the product manufacturer 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, and adhesives.

3.00 **MATERIALS**

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

- 3.01 **Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer**
Product # 02150, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.02 **SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive**
Product # 02855, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.03 **DIF® GEL Wallpaper Stripper**
Product # 02431, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.04 **DIF® Liquid Concentrate Wallpaper Stripper**
Product # 02422, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.05 **GARDZ® High Performance Sealer**
Product # 02301, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.06 **Perma-Wash™ Disinfectant & Fungicide Interior Concentrate**
Product # 60601 gallon, # 60600 5-gallon, Mfr. ZINSSER Co. Inc., 173 Belmont Dr., Somerset, NJ 08875
- 3.07 **Clorox® Ultra Bleach** – Mfr. The Clorox Company, Pleasanton, CA 94566-0803
- 3.08 **Wallcovering Manufacturer** – (to be specified by property owner)
- 3.09 **Moisture Meter** – Mfr. Delmhorst Instrument Co., 51 Indian Lane East, P. O. Box 68, Towaco, NJ 07082, (800) 222-0638

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.

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4.02 Ventilation:

Removal of wallcovering with mold under it will 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 Remove existing wallcovering:

Dry strip vinyl wallcovering by pulling it from the top down leaving the bottom six inches attached to the wall. Fold the pasted side of the wallcovering in on itself to capture and retain as much particulate as possible. Place the rolled material on the floor while the bottom portion is still attached. This provides a catch basin while cleaning.

4.05 Clean the wall:

Using a vacuum with a wall-brush attachment, vacuum the wall surface while agitating the surface with the brush. (The vacuum exhaust must pass through a HEPA filter.) Effort spent cleaning with the vacuum will save time cleaning with liquid solutions. If the wall is heavily contaminated with mold and mildew, old adhesive and/or failing paint, etc., one worker should use a pole-sander with a dry, coarse, Scotch-Brite® pad to loosen the material and another worker follow close behind vacuuming up dislodged materials. Vacuum the backside of the wallcovering on the floor used as a catch basin.

4.06 Removal of residual adhesive, mold and mildew and stains

Note: Where mist or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. A NIOSH approved respirator is advised. For sensitive skin wear gloves.

Step one – Remove residual wallcovering adhesive using either **DIF GEL**, **DIF Fast-Acting** or **DIF Liquid Concentrate Wallpaper Stripper**.

When using **DIF GEL** or **DIF Fast-Acting**, apply liberally using a paint roller or spray-on. Allow to stay on the surface undisturbed for a minimum of 20 minutes. Avoid back-rolling. Scrape-off residual adhesive. Reapply **DIF GEL** or **DIF Fast-Acting** to stubborn areas. Rinse the surface with a sponge and clean water.

When using **DIF Liquid Concentrate** begin by mixing the solution per label directions. Thoroughly wet the wall by applying the solution with a paint roller or commercial low-pressure sprayer. Scrub the wall with a sponge. Rinse the sponge as needed in clean water. Reapply the solution as needed until all heavy soil and adhesive have been removed.

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Step two – Remove mold and mildew - Apply a solution of either: 1) **Perma-Wash Concentrate** (odorless, non-staining, non-damaging), or 2) Clorox Ultra Household Bleach as follows:

For **Perma-Wash**, mix a solution of 1 part **Perma-Wash Concentrate** with 4 parts water. Apply the solution with low-pressure commercial sprayer or paint roller to thoroughly wet mold and mildew. Allow treated area to sit at least 10 minutes. Scrub the wall with a sponge rinsed in clean water. Rinse wall in clean water. Re-apply Perma-Wash solution. Make sure the treated area is thoroughly wet for at least 10 minutes with **Perma-Wash** solution and allow to air dry.

Refer to the **Perma-Wash Concentrate** Technical Data Bulletin on page 21-22 of this document for additional application criteria.

For Clorox®, mix a solution of 3/4 cup Clorox® Ultra Household Bleach with one gallon of clean water. (Bleach has a shelf-life. Use fresh bleach less than 1 year old. Use of Clorox® brand is recommended for freshness.) Apply bleach solution with a paint roller to thoroughly wet mold and mildew. Scrub the wall with a sponge. Rinse the sponge as needed in clean water. Re-apply solution as needed. Avoid contact with clothing, carpet, fabric. Rinse all vinyl and rubber surfaces immediately after use. Avoid prolonged contact with metal or porcelain. Do not use on or around marble or aluminum. Rinse the wall surfaces with clean water. Allow to air dry.

Using the vacuum in wet mode, vacuum as much moisture from the wall and the catch-basin as possible. Circulate air via fans continuously to help dry the walls.

Step three - Remove wallcovering attached at the bottom of the wall. Bag old wallcovering and trash in heavy trash bags for disposal. Repeat steps one, two and three to remove residual adhesive, mold and mildew and stains from bottom of wall.

4.07 Gauge the surface moisture before applying skim coatings and primer coatings

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 followed.

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 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 primer. 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 primer. 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%.

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4.08 Inspect the walls for drywall damage and repair

Inspect the walls for damage. Sand loose, peeling facing paper. Tear open bubbles in the drywall facing paper and tear off loose facing paper until only firmly attached paper remains. (Bubbles may be 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 with appropriate patching material. After dried skim coats have been sanded, re-apply **GARDZ** to seal skim coats and reduce potential for out-gassing) **Patching materials must be dry and fully cured before sealing.**

Refer to the **GARDZ** Technical Data Bulletin on page 23-24 of this document for additional application and coverage criteria.

Note: When inspecting the walls for drywall damage, and the mold is severe particularly in a concentrated area such as around sweating pipes, concrete pillars, air returns, leaks; we recommend that the drywall be replaced in those areas. When the drywall is down, the area should be examined for the source of moisture and the problem resolved.

4.09 Prime the walls:

Prime Coat --The wall surface should be dry and free of all contaminants. The entire wall surface upon which wallcovering is to be applied must be primed with **Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer**. Apply the primer to the entire surface area by spray, brush or roller. Cut in around the edges, ceilings, base of wall, corners and openings with a brush. (One gallon of primer should be applied to no more than 300 square feet at 6 mil wet.) The goal is to produce a continuous, pin-hole free film with a minimum dry-film-thickness (DFT) of 2.25 mil. Damaged wallboard will reduce the spread rate. Touch-up visible pin-holes or holidays with a brush.

Refer to the **Shieldz V.P. (Vapor Permeable™)** Technical Data Bulletin on page 17-18 of this document for additional application and coverage criteria.

5.0 Hang wallcovering:

Environmental & Lighting Conditions: Areas to receive wallcovering should be environmentally controlled by the HVAC system. A temperature range of 65° - 85° degrees Fahrenheit should be maintained, with less than 50% relative humidity, for a period of not less than 4 days prior to installation and maintained thereafter. Install wallcovering with permanent lighting. Sufficient lighting will greatly enable to see the air pockets or bubbles and other installation problems.

Test installation area: Before proceeding with installation the Responsible Party should approve test installation area as outlined in 5.04 on page 10 herein.

Walls are ready to hang in 4 hours after primer coat. **When double-cutting, wait 8 hours before hanging wallcovering. Double cut within 1 hour after hanging.** Wallcovering manufacturer's hanging instructions must be followed.

Use full strength **SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive**. DO NOT DILUTE. Whip, stir or shake to desired consistency. Thoroughly mix adhesive to achieve a complete blending of the entire contents of each bucket. Each pail of adhesive should be used within 24 hours after opening to minimize contamination. Adhesive applicators (rollers, brushes and paste machines) must be cleaned daily to prevent contamination or spoilage.

Refer to the **SureGrip V.P. (Vapor Permeable™) Adhesive** Technical Data Bulletin on page 19-20 of this document for additional application and coverage criteria.

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5.00 **QUALITY ASSURANCE**

- 5.01 The property owner should review and supply a copy of this specification to all bidders.
- 5.02 Everyone involved with this project should carefully read this document, all attachments, and product labels prior to use or application.
- 5.03 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 primer 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 and mildew protection corresponds directly to the application rate of the primer.**

- 5.04 BEFORE PROCEEDING WITH THE INSTALLATION...At no additional costs to the owner, the wallcovering installation Contractor shall prepare primed surface in specified test area and install no less than three (3) full-width panels of each wallcovering pattern specified in an area designated by the Person(s) responsible for final approval of the installation, otherwise known as the "Responsible Party", leaving a section of primed surface uncovered for inspection. The test installation area shall be reviewed for conformance to the **ZINSSER V.P. (Vapor Permeable™)** specification and application in compliance with all product technical data bulletins. The wallcovering should be allowed to bond with the wall for a minimum of three days before inspecting.

Only the "Responsible Party" shall approve the primer coverage and wallcovering installation in test area. The Contractor will replace any unsatisfactory panels. The approved test area shall remain as part of the finished installation work and as a standard of comparison for the installation throughout the project. The Contractor shall not install specified material beyond the test area, prior to the approval of the test area by the Responsible Party.

Then, upon approval of the installation by the Responsible Party, Contractor should proceed to complete the job. If a problem occurs, stop and contact your local Zinsser product source or Zinsser sales representative. Proceeding beyond this point will be done at the Contractor's, Installer's and Responsible Party's risk and will absolve ZINSSER Co., Inc., the product distributor and the wallcovering manufacturer of all responsibility.

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The ZINSSER V.P. (Vapor Permeable™) Commercial Wallcovering System

REPAIR & INSTALLATION SEQUENCE QUICK REFERENCE GUIDE

(Apply according to instructions in ZINSSER V.P. (Vapor Permeable) Specification)

**Repair and Mold & Mildew Remediation Sequence

- Strip Wallcovering (4.04-4:05): Strip wallcovering and vacuum gross mold & mildew with Hepa filter vacuum.
- Residual Adhesive: (4.06) Remove with **DIF GEL**, **DIF Fast-Acting** or **DIF Concentrate Wallpaper Stripper**
- Remove Mold & Mildew: (4.06) Treat with solution of **Perma-Wash™ Disinfectant & Fungicide Interior Concentrate** or Clorox® Ultra Household Bleach (after residual adhesive has been removed from surface)
- Check for moisture: (4.07) Conduct a thorough investigation of all areas where moisture may collect and support fungal contamination and correct each situation.
- Repair Damaged Drywall: (4.08) Seal down torn, damaged drywall with **GARDZ High Performance Sealer**. Skim coat and re-apply **GARDZ** over dried, fully cured, sanded skim-coats to reduce/prevent out-gassing.

Decorative Treatment

- Prime surface: (4.09) Apply one pin-hole-free coat of **Shieldz V.P. (Vapor Permeable™)** primer (6 mil wet per coat resulting in total of 2.25 mil dry-film-thickness)
- Apply adhesive: (4.10) Apply full strength **SureGrip V.P. (Vapor Permeable™)** adhesive to back of wallcovering. DO NOT DILUTE. Whip, stir or shake to desired consistency.
- Prepare test area (before proceeding with job): (5.04) Apply three sheets of wallcovering using **SureGrip V.P. (Vapor Permeable™)** adhesive in test area prepared with 1 coat of **Shieldz V.P. (Vapor Permeable™)**. Architect, Property Owner or Responsible Party must approve primer coat and wallcovering installation before proceeding with completion of job.

Product Order Info:

SHIPPING DATA		
Product	Size	Item No.
Shieldz V.P. (Vapor Permeable) WC Primer	5-gallon	02150
SureGrip V.P. (Vapor Permeable) WC Adhesive	5-gallon	02855
GARDZ High Performance Sealer	5-gallon	02300
Perma-Wash Fung. & Disf. Conc.	5-gallon	60600
DIF GEL Wallpaper Stripper	1-gallon	02431
DIF Fast-Acting Wlpr. Stripper	1-gallon	02481
DIF Conc. Wallpaper Stripper	1-gallon	02422

***For highest permeability, use with permeable wallcoverings and permeable bare drywall with Perm Rating of 20 or greater. System can be used over other surfaces including but not limited to painted/primed surfaces, repaired surfaces and previously wallcovered surfaces.*

Specifically, it is recognized that if the system is used over surfaces other than bare drywall, permeability of total wall system will be reduced.

**Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer contains a mildewcide that prevents growth of mold and mildew on the primer film only.*

**SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive contains a mildewcide that prevents growth of mold and mildew on the adhesive only.*

Informational Resources Pertinent to Preventing Mold & Mildew

GOVERNMENT RESOURCES

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

U.S. Department of Housing and Urban
Development
451 7th Street S.W., Washington, DC 20410
Phone: (202) 708-1112, (202) 708-1455
<http://www.hud.gov/>

PUBLICATIONS

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

Wallcoverings Association
Phone: 312-644-6610
Click: Contract Wallcoverings>What's New>Mold
Publication
<http://www.wallcoverings.org/>

VENDORS

Health and Environmental. Safety
3M
3M Center, Bldg. 275-6W-01
St. Paul, MN 55133-3275
Phone: 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
Phone: 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 Commercial Department
173 Belmont Dr.
Somerset, NJ 08875
Email: zinsserplus@ZINSSER.com
(732) 469-8100

The property owner will receive a registered copy of this warranty as soon as the FINAL verification form is received.

**The ZINSSER Mold & Mildew-Proof™*
Commercial Wallcovering
5-Year Warranty**



Installations of commercial wallcovering performed in accordance with The ZINSSER Commercial Wallcovering Specification are eligible for the following:

The ZINSSER Mold & Mildew-Proof™* Commercial Wallcovering Warranty

"If mold and mildew on the primer film or adhesive causes stains to appear through the wallcovering or causes the wallcovering to lose its adhesion within Five (5) years from the date of installation, ZINSSER will replace the primer, adhesive and wallcovering in the problem area. This Warranty does not include topical mold and mildew on the wallcovering, which should be removed by cleaning. This Warranty does not cover any labor costs associated with removal of existing wallcovering, remediation of mold and mildew and/or re-installation of new wallcovering."

To achieve this Warranty, the wallcovering installation must be done in compliance with the **ZINSSER V.P. (Vapor Permeable)** Specification provided by ZINSSER and for the specific project.

In summary, as a minimum the ZINSSER Specification requires:

- o Cleaning the surface to remove existing mold and mildew stains and residual adhesive.
- o After washing and rinsing the mold and mildewed area, damaged areas are to be repaired and then primed.
- o Application of one (1) coat of **SHIELDZ® V.P. (Vapor Permeable™)* Wallcovering Primer @ 6 mil wet (2.25 mil Dry Film Thickness).**
- o Installation of the wallcovering using **SUREGRIP® V.P. (Vapor Permeable™)* Wallcovering Adhesive.**

If, at any time during the 5-Year period, the wallcovering loses adhesion or stains appear, ZINSSER Co. Inc. will schedule an inspection. Upon establishing that the loss of adhesion or stains are the result of mold and mildew in the primer or paste, ZINSSER will furnish **a sufficient amount of primer, paste and wallcovering to correct the problem area.**

This Warranty does not cover the labor cost for the original wallcovering installation or any labor associated with correcting any problem areas or 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 leaks, improper surface preparation, primer 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 of first noticing the problem and provide ZINSSER the opportunity to inspect the job.

**These products contain a mildewcide that prevents growth of mold and mildew on the primer film and adhesive only.*

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

*Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer contains a mildewcide that prevents growth of mold and mildew on the primer film only.
*SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive contains a mildewcide that prevents growth of mold and mildew on the adhesive only.



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

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

Procedure to obtain The ZINSSER Mold & Mildew-Proof™* Commercial Wallcovering 5-Year Limited Warranty

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

- 1) Complete the REGISTRATION FORM on page 13 which includes:**
 - Name and address of property where the installation 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 ZINSSER V.P. 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, their Designate or Responsible Party, the Project Manager and the winning Contractor will be performed to insure: a) the integrity of the surface where the ZINSSER V.P. System is to be applied, b) the primer, adhesive and wallcovering installation in specified test area is applied according to the Zinsser V.P. specification, and c) the installation in specified test area meets aesthetic appearance requirements of Property Owner. Refer to Section 1.03 (Limitations) and Section 5.04 (Quality Assurance) in the ZINSSER V.P. Specification.
 - Confirmation that the Project Manager will perform periodic inspections during the installation 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, i.e. DIF®, Perma-Wash™, bleach, Gardz®, Shieldz® V.P. Primer, SureGrip® V.P. Adhesive and wallcovering).

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.

*These products contain a mildewcide that prevent the growth of mold and mildew on the primer film and adhesive only.



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

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

The ZINSSER V.P. Project REGISTRATION FORM

Instructions:

In order to register your project for the **ZINSSER Mold & Mildew-Proof™* 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 _____

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 ZINSSER V.P. 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 of the surfaces where wallcovering is to be applied and a specified area where wallcovering has been applied using the Zinsser V.P. system must be conducted by the Property Owner, their Designate or Responsible Party, the Project Manager and the winning Contractor to insure: a) the integrity of the surface where the ZINSSER V.P. System is to be applied, and b) that wall prep and application of primer, adhesive and wallcovering has been installed properly according to the Zinsser V.P. specification. Refer to Section 1.03 (Limitations) and 5.04 (Quality Assurance) in the Zinsser V.P. specification.
- 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 (bleach, primer, adhesive and wallcovering), within 30 days of completion of the project.

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

*These products contain a mildewcide that prevent the growth of mold and mildew on the primer film and adhesive only.



Project Number _____

The ZINSSER V.P. Project VERIFICATION FORM

I, _____, the Project Manager for _____
(project name) hereby certify that I fulfilled all the required procedures as agreed to on the **ZINSSER V.P. 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 **ZINSSER Mold & Mildew-Proof™* 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

*These products contain a mildewcide that prevent the growth of mold and mildew on the primer film and adhesive only.



(Vapor Permeable™) COMMERCIAL WALLCOVERING PRIMER

Shieldz® V.P. (Vapor Permeable) Commercial Wallcovering Primer is a ONE coat, high-build, high-hiding, permeable primer formulated for use with permeable, micro-vented and non-woven wallcovering. **Shieldz V.P.** prevents mold & mildew growth* on the primer film and moisture condensation behind wallcovering, making it ideal for use in the most challenging humid environments. **Shieldz V.P.** provides superior protection for drywall against damage when stripping. Water-based, low-odor.

When used with **SUREGRIP V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive**, the two-part system offers maximum mold & mildew protection* for walls and wallcovering.

- **For permeable surfaces with permeable, micro-vented and non-woven wallcoverings**
- **Prevents mold & mildew* on primer and inhibits musty odors**
- **ONE coat, high-build, high-hiding coverage**
- **Promotes adhesion**
- **Provides durable surface for double-cutting**
- **Prevents drywall damage when stripping**
- **Two-part system – for MAXIMUM mold & mildew-proof* protection use with SUREGRIP V.P. ADHESIVE**

PHYSICAL & PERFORMANCE DATA

Appearance Dry:	White
Odor:	Mild
Thinning:	Do not dilute
Coverage:	300 sq. ft./gallon (Apply 6 mil wet). Coverage may vary depending on porosity of surface and application method.
Required Thickness of Film:	Apply 6 mil wet. Dry film thickness must be 2.25 mil.
Sprayer:	Use .017 tip size at 2000-2500 PSI for optimum spread rate
Dry Time:	4 hours. 8 hours if double-cutting.
Cleanup:	With water
Recommended Application Range:	50° F to 100° F
Recommended Storage Temperature:	40° F to 100° F
Freeze/Thaw Stable:	Yes
Flammability:	Non-flammable, water based
Shelf Life:	2 years
Mildew Resistance:	MAXIMUM – contains ZINSSER exclusive EPA registered mildewcides*
Permeability	Highly permeable - 35 Perms (when used as system with SureGrip V.P.)
VOCs:	Less than 50 g/L
LEED:	In LEED category Indoor Environmental Quality, complies with intent of Credit 3.2 (Construction IAQ Management Plan), meets low emitting materials requirements of Credit 4.2 (Coatings).
Toxicity:	Safe, pH Neutral

†ZINSSER® Mold & Mildew-Proof™* Commercial Wallcovering 5-Year Warranty

Zinsser guarantees that mold and mildew on the primer or paste film will not cause the wallcovering to lose adhesion or cause stains to appear through the wallcovering when the wallcovering is installed according to The **ZINSSER V.P. Commercial Wallcovering Specification**. In summary, the Specification requires: a) property owners must apply for the Warranty; b) Surface must be clean, dry and sound, free of residual adhesive and pre-existing mold and mildew; c) one coat of **Shieldz® V.P. (Vapor Permeable) Commercial Wallcovering Primer** must be applied; and d) **SureGrip® V.P. (Vapor Permeable) Commercial Wallcovering Adhesive** must be used to install the wallcovering.

"If mold and mildew on the primer film or adhesive causes stains to appear through the wallcovering or causes the wallcovering to lose its adhesion within Five (5) years from the date of installation, ZINSSER will replace the primer, adhesive and wallcovering in the problem area. This Warranty does not include topical mold and mildew on the wallcovering, which should be removed by cleaning. This Warranty does not cover any labor costs associated with removal of existing wallcovering, remediation of mold and mildew and/or re-installation of new wallcovering."

Interested property owners should contact Zinsser Commercial Department for ZINSSER® V.P. Specification and Warranty registration procedure: 732-469-8100 or Email zinsserplus@zinsser.com.

*Shieldz® V.P. (Vapor Permeable™) Commercial Wallcovering Primer contains a mildewcide that prevents growth of mold and mildew on the primer film only.
 *SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive contains a mildewcide that prevents growth of mold and mildew on the adhesive only.

Shieldz V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive

Selection Data

Generic Type – Acrylic water-based primer

Recommended Uses – Use for preparing permeable surfaces for permeable wallcovering. Ideal for new construction or renovations where permeable drywall & wallcovering is used.

Application Data

Surface Preparation – Surface must be clean, dry, smooth and sound – free of dust, grease, wax, oil, old wallcovering adhesive, mold and mildew, and outside sources of moisture. Inspect surface for paint bonding, loose wallcoverings, damaged wallboard or plaster.

Surfaces painted before 1978 may contain lead. **Warning!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. 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.

Remove old or loose wallcovering and residual wallcovering adhesive with **DIF® Wallpaper Stripper**. Repair unsound surfaces. Seal loose paint or damaged drywall and fully cured skim coats with **GARDZ® High Performance Sealer** as needed. Before proceeding with any unusual conditions, consult your wallcovering or primer supplier.

Mold & Mildew – Eliminate pre-existing mold and mildew by washing the affected area with **Perma-Wash™ Disinfectant and Fungicide Interior Concentrate** according to label directions and follow with a solution of 3/4 cup of Clorox® Ultra Bleach to 1 gallon of clean water to remove stains. Wear protection to prevent skin and eye contact. Quickly wash off any solution that comes in contact with your skin. Do not add ammonia or other cleaning products to the bleach solution. Rinse surface with clean water. Allow surface to dry thoroughly before applying wallcovering.

Stains – Seal any residual stains that might bleed into the wallcovering with **BULLS EYE® Odorless Primer Sealer** OR **B-I-N® Primer Sealer** prior to priming with **Shieldz V.P.**

Application – Apply when temperature is above 50° F. Stir before using. DO NOT THIN. Apply 6 mil wet by brush, roller or sprayer with .017 tip size at 2000-2500 PSI for optimum spread rate. Cut in entire surface with brush at corners, edges and openings. Check surface for pin-holes and touch up pin-holes or holidays with a brush. The goal is to produce a pin-hole free film. Ready to hang in 4 hours. **When double cutting, wait 8 hours before hanging wallcovering.** Close container tightly after each use.

NOTE: For a complete permeable mildew-resistant wall décor system, use with new uncoated permeable drywall (20+ perms) and hang permeable wallcovering with **SUREGRIP® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive.***

Color/Tinting – **Shieldz V.P.** may be tinted to match most medium background colors. Maximum - 4 oz. of universal tinting color per gallon. **When adding tint allow primer to cure 12 hours before hanging wallcovering.**

New drywall – New drywall must be wiped down with a damp cloth to remove residual joint compound dust prior to priming.

Damaged drywall – Removing wallcovering can tear or delaminate the drywall facing paper from its backing. Delaminated areas will appear as bubbles when new primers are applied and must be cut open and removed along with other loose flaps of facing paper. Prime damaged areas with **GARDZ® High Performance Sealer**, skim coat irregularities with drywall mud, and re-coat sanded, fully cured skim coats with **GARDZ** to reduce or prevent possible out-gassing before priming total area with **Shieldz V.P.**

** These products contain a mildewcide that prevents the growth of mold & mildew on the primer film and adhesive only.*

Paint – allow freshly applied latex paint to cure at least 14 days before priming and installing wallcovering

Plaster – New plaster must age 90 days before application of **Shieldz V.P.**

Glossy Surfaces – Glossy paint, paneling, existing wallcovering, metal, glass, plastic, etc. should be primed with **Shieldz V.P.** prior to wallcovering installation. Metal surfaces should be primed with rust inhibiting **BULLS EYE 1-2-3® Primer**.

Metal surfaces – Prime with a rust inhibitive **Bulls Eye 1-2-3® Primer**.

Existing Vinyl Wallcovering – Tightly adhered existing vinyl wallcovering can be primed over with **Shieldz V.P.** after thoroughly cleaning entire surface area with mineral spirits, then a solution of ammonia and water, then finish by rinsing with clean water to remove plasticizers and residue. Some plasticizers may prevent primer adhesion. Check primer adhesion before proceeding with entire project. Before proceeding with any unusual conditions, consult your primer supplier or Zinsser Sales Representative. Porous or uncoated wallcoverings and wallpapers with metallic inks should be either removed or sealed with **B-I-N® Primer Sealer** before applying **Shieldz V.P.**

Wallcovering Removal – Wait 21 days or longer for primer and wallcovering adhesive to fully cure before removing vinyl wallcovering.

Coverage – Five gallons will cover up to 1500 square feet. Avoiding mold & mildew growth on the primer film can only be assured if enough primer film is in place. Apply at maximum 300 square feet per gallon (6 mil wet) for optimum protection. Dry film thickness must be 2.25 mil.

Dry Time – Dries to touch in 15 minutes; wallcovering can be hung in 4 hours. When double-cutting, allow to dry overnight (8 hours minimum).

Cleanup – Wash all tools and spots immediately with warm water.

Storage/Shelf Life/Disposal – Protect from freezing. Always keep the container tightly closed and store in a cool dry place at temperature between 40° F to 100° F. Normal storage life is two years. **Shieldz V.P.** is a water-base acrylic coating. Dispose of unused or unwanted product in accordance with applicable federal, state and local laws and regulations.

Caution – Avoid contact with eyes and skin. Wear eye and skin protection. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. In case of skin contact, wash thoroughly with soap and water. Do not take internally. If swallowed contact a physician or Poison Control Center. Use with adequate ventilation. WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm. **Keep Out of Reach of Children.**

Limited Warranty – This product will perform as claimed if applied according to our directions. The directions apply to most applications, but may not cover special conditions, applications, techniques and/or surfaces. If you have a question, check with your dealer or contact ZINSSER Co., Inc., Somerset, NJ. Warranty is limited to replacement or refunded value of product actually used when supported by proof of purchase if such product proves defective within one year from date of manufacture.

Packaging and Shipping Information

Size	Item No.	Product UPC	Carton Code	Case Dimensions	Case Pack	Case Wt. Lbs.	Case Vol. In.	Pallet Pack
Five Gallon	02150	047719 02150 6	-	12" x 12" x 15"	1	53	1.25	36

ZINSSER Co., Inc. 173 Belmont Drive Somerset, NJ 08875 (732) 469-8100 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 is true and accurate at the date of issuance and is 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.



(Vapor Permeable™)

COMMERCIAL WALLCOVERING ADHESIVE

SureGrip® V.P. (Vapor Permeable) Commercial Wallcovering Adhesive is a permeable professional grade wallcovering adhesive for hanging all types of permeable, micro-vented and non-woven commercial wallcoverings (up to 34 oz. commercial grade types I, II and III). Its unique breathable formulation allows vapor to pass through the adhesive reducing buildup of condensation behind wallcovering and potential for mold and mildew growth. **SureGrip V.P.** provides excellent adhesion in the most challenging humid environments. Strippable, easy water cleanup. Flows easily in a paste machine.

When used with **SHIELDZ® V.P. (Vapor Permeable™) Commercial Wallcovering Primer**, the two-part primer/adhesive system offers maximum mold & mildew protection for walls and wallcovering.

- For use with permeable, micro-vented and non-woven wallcoverings
- Prevents mold & mildew* on adhesive & inhibits musty odors
- Eliminates mildew stains, loose seams, buckling wallcovering
- Allows vapor transmission through adhesive – exceeds HUD permeability minimum
- Excellent adhesion
- Great for pasting machines
- Allows wallcovering to strip easily without damaging walls
- Mold & mildew-proof* adhesive – contains ZINSSER'S exclusive EPA registered mildewcides*
- Two-part system – for MAXIMUM protection use with SHIELDZ V.P. PRIMER

PHYSICAL & PERFORMANCE DATA

Appearance Dry:	Clear
Odor:	Mild
Thinning:	DO NOT DILUTE. Stir, whip or shake to thin to desired consistency.
Coverage:	280 sq. ft./gallon (May vary depending on porosity and application method)
Pasting Machine:	Recommended
Cleanup:	With water
Recommended Application Range:	65° F to 85° F, with less than 50% relative humidity
Recommended Storage Temperature:	40° F to 100° F
Freeze/Thaw Stable:	Yes
Flammability:	Non-flammable, water based
Shelf Life:	1 year
Mildew Resistance:	MAXIMUM – contains ZINSSER exclusive EPA registered mildewcides
Removal:	Dry strip non-woven and fabric-backed wallcoverings; wet strip paper-backed materials
Permeability	Highly Permeable - 35 Perms (when used as system with Shieldz V.P.)
VOCs:	Less than 10 g/L
LEED:	In LEED category Indoor Environmental Quality, complies with intent of Credit 3.2 (Construction IAQ Management Plan), meets low emitting materials requirements of Credit 4.1(Adhesives)
Toxicity:	Safe, pH Neutral

†ZINSSER® Mold & Mildew-Proof™* Commercial Wallcovering 5-Year Warranty

Zinsser guarantees that mold and mildew on the primer or paste film will not cause the wallcovering to lose adhesion or cause stains to appear through the wallcovering when the wallcovering is installed according to The **ZINSSER V.P. Commercial Wallcovering Specification**. In summary, the Specification requires: a) property owners must apply for the Warranty; b) Surface must be clean, dry and sound, free of residual adhesive and pre-existing mold and mildew; c) one coat of **Shieldz® V.P. (Vapor Permeable) Commercial Wallcovering Primer** must be applied; and d) **SureGrip® V.P. (Vapor Permeable) Commercial Wallcovering Adhesive** must be used to install the wallcovering.

"If mold and mildew on the primer film or adhesive causes stains to appear through the wallcovering or causes the wallcovering to lose its adhesion within Five (5) years from the date of installation, ZINSSER will replace the primer, adhesive and wallcovering in the problem area. This Warranty does not include topical mold and mildew on the wallcovering, which should be removed by cleaning. This Warranty does not cover any labor costs associated with removal of existing wallcovering, remediation of mold and mildew and/or re-installation of new wallcovering."

Interested property owners should contact Zinsser Commercial Department for ZINSSER® V.P. Specification and Warranty registration procedure: 732-469-8100 or Email zinsserplus@zinsser.com.

* These products contain a mildewcide that prevents the growth of mold & mildew on the primer film and adhesive only.

SUREGRIP V.P. (VAPOR PERMEABLE™) COMMERCIAL WALLCOVERING ADHESIVE

Selection Data

Generic Type – Starch-based wallcovering adhesive

Recommended Uses – Use for hanging all types and weights of permeable, micro-vented and non-woven wallcoverings up to 34 oz. type I, II, and III wallcovering. Refer to the "ZINSSER SureGrip Adhesive Selection Chart" online at www.zinsser.com for detailed recommendations.

Not Recommended For – Wallcoverings that are moisture sensitive or prone to bubbling. Not recommended for some wallcoverings backed with very high polyester content fabric. This product is not intended for hanging borders or wallcovering over existing vinyl wallcovering. See "Existing Vinyl Wallcovering" for recommendations.

Application Data

Surface Preparation – Surface must be clean, dry, smooth and sound – free of dust, grease, wax, oil, old wallcovering adhesive, mold and mildew, other residue and outside sources of moisture. Inspect surface for paint bonding, loose wallcoverings, damaged wallboard or plaster. Remove old or loose wallcovering and residual wallcovering adhesive with **DIF® Wallpaper Stripper**. Repair unsound surfaces. Seal loose paint or damaged drywall and fully cured skim coats with **GARDZ® High Performance Sealer** as needed.

Prime surface with **SHIELDZ® V.P. (Vapor Permeable™) Commercial Wallcovering Primer**. Before proceeding with any unusual conditions, consult your wallcovering or adhesive supplier.

Environmental Conditions: Recommended temperature application range is between 65° F to 85° F with less than 50% relative humidity where HVAC has been environmentally controlled for at least 4 days before wallcovering installation and temperature is maintained after installation.

Application - DO NOT DILUTE. Stir, whip or shake to thin to desired consistency. Apply an even coat to the back of wallcovering using a roller, brush or pasting machine. Make sure sufficient adhesive is on edges. Avoid contact with the surface of embossed or delicate wallcovering. For non-woven backed wallcoverings, adhesive can also be applied directly to the wall. Hang according to wallcovering manufacturer's instructions. **Double cut within 1 hour after hanging.**

NOTE: For a complete permeable mildew-resistant wall décor system, use with bare permeable drywall (20+ perms) primed with **SHIELDZ® V.P. (Vapor Permeable™) Commercial Wallcovering Primer** and permeable wallcovering.

Use a separate pail if applying adhesive by roller and store balance of undiluted adhesive in original pail with the original lid secured. Each pail of adhesive should be used within 24 hours after opening to minimize contamination.

Adhesive rollers, brushes and paste machines must be cleaned daily to prevent contamination or spoilage. Seal partially used containers between uses and do not use paste that has been repeatedly opened and closed or stored longer than two days after opening.

After installing 3 sheets, inspect the wallcovering for proper installation and adhesive compatibility with wallcovering. If a problem occurs, stop and contact your local distributor or Zinsser sales representative. Proceeding beyond this point will be done at the installer's risk and will absolve Zinsser Co., Inc., the local distributor and wallcovering manufacturer of all responsibility.

Mold & Mildew - Eliminate pre-existing mold and mildew by washing the affected area with **Perma-Wash™ Disinfectant and Fungicide Interior Concentrate** according to label directions and follow with a solution of 3/4 cup of Clorox® Ultra Bleach to 1 gallon of clean water. Wear protection to prevent skin and eye contact. Quickly wash off any solution that comes in contact with your skin. Do not add ammonia or other cleaning products to the bleach solution. Rinse surface with clean water. Allow surface to dry thoroughly before applying wallcovering.

Existing Vinyl Wallcovering - This product is not intended for hanging wallcovering over existing vinyl wallcovering. For hanging directly over vinyl, use **SureGrip 127 Vinyl Over Vinyl Wallcovering Adhesive** according to label instructions. For hanging borders over vinyl, use **SureGrip Border Adhesive For Wallpapered Surfaces**.

Textiles and Delicate Wallcoverings – Take special care to keep the adhesive off the face of wallcovering. Some wallcovering can be stained by water alone. Test for stain resistance prior to the installation and hang according to manufacturer's instructions.

Drywall and Painted Surfaces – Wipe down with a damp cloth to remove residual joint compound dust prior to priming.

Plaster – New plaster must age at least 90 days before hanging wallcovering. Prime prior to installation.

Glossy Surfaces – Glossy paint, paneling, existing wallcovering, metal, glass, plastic, etc. should be primed with **SHIELDZ® V.P. (Vapor Permeable™) Commercial Wallcovering Primer** prior to wallcovering installation. Metal surfaces should be primed with rust inhibiting **Bulls Eye 1-2-3® Primer**.

Coverage – Five gallons of adhesive will hang up to 1400 sq. ft. or 110 linear yards of 54" wallcovering. Spread rate may differ with various backings.

Drying Time – Will vary depending on the wallcovering type, temperature, ventilation and humidity of the room.

Cleanup – Remove excess adhesive on or around the wallcovering immediately with clean water. Additional effort may be required if adhesive is allowed to contact the surface of embossed or textured vinyl. Close container tightly after each use.

Tool Cleanup – Clean tools with warm water.

Storage/Shelf Life/Disposal – **Protect from freezing.** Always keep the container tightly closed and store in a cool dry place at temperature between 40° F to 100° F. Normal storage life is one year. The disposal of excess or left over product should conform to local laws regarding water-based products.

Caution – Avoid contact with eyes and skin. Wear eye and skin protection. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. In case of skin contact, wash thoroughly with soap and water. Do not take internally. If swallowed contact a physician or Poison Control Center. Use with adequate ventilation. **WARNING:** This product contains a chemical known to the state of California to cause cancer. **Keep Out of Reach of Children.**

Limited Warranty – This product will perform as claimed if applied according to our directions. The directions apply to most applications, but may not cover special conditions, applications, techniques and/or surfaces. If you have a question, check with your dealer or contact ZINSSER Co., Inc., Somerset, NJ. Warranty is limited to replacement or refunded value of product actually used when supported by proof of purchase if such product proves defective within one year from date of manufacture.

** These products contain a mildewcide that prevents the growth of mold & mildew on the primer film and adhesive only.*

Packaging and Shipping Information

Size	Item No.	Product UPC	Carton Code	Case Dimensions	Case Pack	Case Wt Lbs.	Case Vol. In.	Pallet Pack	Pallet Size
Five Gallon	02855	047719 02855 0	-	12" x 12" x 15"	1	50	1.25	36	40 x 48"

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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., 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.

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,

Perma-Wash™ Disinfectant & Fungicide Concentrate

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 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 SUR- FACES/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 two years 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.

Packaging and Shipping Information

Unit Size	Code	Product UPC	Carton Code	Harmonized/Hazmat Code	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	35	14" x 7 1/4" x 7 3/4"	786	90	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

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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.

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/re-capture 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.

GARDZ®

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



Product No.

02300

02301

02304

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.

• **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.

s a mildewicide that prevents growth of mold and mildew on the primer film only.

*SureGrip® V.P. (Vapor Permeable™) Commercial Wallcovering Adhesive contains a mildewicide that prevents growth of mold and mildew on the adhesive only.

High Performance Sealer

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

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