RUST-OLEUM®
11 Hawthorn Parkway
Vernon Hills, IL 60061
An RPM Company

Technical Data Bulletin

GARDZ®

Product No.
02300
02301
02304

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 milkyblue 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 NIOSHApproved 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.gove/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 m^2) 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 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:	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 mill DFT:	350 sq. ft on porous surfaces
Dry Time @ 75 ° F/50% RH:	Touch: 1 hour Recoat: 3 hours
Dry Film Perm Rating:	26 Perms
Alkaline Resistane:	≤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 847-367-7700 or visit our website at www.rustoleum.com.

Packaging

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

Keep out of reach of children

Read and carefully follow all information on this Technical Data Bulletin, on the product label and 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 Rust-Oleum to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum's 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.

Rust-Oleum Corporation, 11 Hawthorn Parkway, Vernon Hills, IL 60061
An RPM Company
Phone: 847•367•7700
www.rustoleum.com