11 Hawthorn Parkway
Vernon Hills, IL 60061
An RPM Company

Technical Data Bulletin

SHIELDZ® CLEAR
Universal Wallcovering Primer/Sizing

- Prepares surfaces for all types of wallcovering - no additional sizing needed
- Promotes adhesion of wallcovering to glossy surfaces
- Compatible with all types of wallcovering adhesives
- Acrylic formula primes and sizes in one step
- Dries clear – can be tinted to deep colors
- Low odor water-base formula
- Soap and water cleanup

Selection Data

Generic Type – Unpigmented acrylic latex, water-based, wallcovering primer/sizing.

Recommended Uses – Recommended for application to interior walls and ceilings prior to installing wallcovering where a pigmented, hiding primer is not required.

Color/Tinting – **SHIELDZ CLEAR** is transparent but may be tinted by adding no more than 4 oz. universal colorant per gallon. Include lamp black or white colorant with primary tint colors to increase color intensity (example – the dark blue color of the sample titled "On Glossy Surfaces" on the product container was created using 3 oz. thalo blue and 1 oz. lamp black per gallon). Even after tinting **SHIELDZ CLEAR** will remain somewhat transparent. In some cases the color of the wall will influence the appearance of the tinted primer after application. For example, yellow-tinted **SHIELDZ CLEAR** applied over a dark blue wall will appear green. If it is necessary to completely hide a colored or patterned surface, apply one coat of SHIELDZ WHITE Universal Wallcovering Primer/Sealer (tinted toward the desired color). After 2 hours apply one coat of **SHIELDZ CLEAR** tinted to the desired deep color.

Coverage – 500 to 700 sq. ft. per gallon (20 to 28 single rolls). Application losses will vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Application Data

Surfaces - SHIELDZ CLEAR is recommended for application to the following substrates: New or previously painted gypsum wallboard (drywall) and cured plaster; wood paneling; ceramic tile; glass; Formica®; and existing non-porous wallcoverings.

Surface Preparation – Surfaces should be clean, dry and free of dust, dirt, chalky material, grime, grease, oil, wax, silicone, mildew, wallpaper adhesive, or any contamination that may interfere with adhesion. If unsure, always wash surface with an appropriate cleaning solution or solvent.

- **Mildew** – Clean mildew with a solution of 1 part laundry bleach and 3 parts warm water or use a specialty cleaner formulated for this purpose.
- **Stains** - Apply an appropriate stain killing primer such as Zinsser's B-I-N, Bulls Eye 1-2-3, or Cover-Stain to prevent stains from bleeding into the wallcovering.
- **Peeling paint** - Any existing coatings that are not soundly adhered should be removed by the best available means, usually sanding and/or scraping.
- **New paint** - Allow freshly applied latex paint to cure at least 14 days before priming.
- **New gypsum wallboard (drywall)** – Remove sanding dust. Two coats are recommended for bare, new drywall; apply a second coat of SHIELDZ CLEAR 2 hours after the first coat. On drywall that has been skimcoated with drywall mud or spackling compound apply 2 coats of SHIELDZ WHITE.
- **Other -** Fill paneling grooves, nailholes, gouges, and other surface damage with Zinsser's Ready Patch or similar interior spackling compound prior to priming.
- **Metallic inks** – Certain types of existing wallcovering may have patterns printed with metallic-based inks that will bleed through most water-base coatings. To prevent bleed through prime these wallcoverings with B-I-N and allow to dry for 2 hours before applying SHIELDZ CLEAR.

- **Removing existing wallcovering** – It is always recommended to remove existing wallcovering before installing new wallcovering. For best results use Zinsser's DIF® Wallpaper Stripper, PaperTiger® Scoring Tool, and Paper Scraper™. After stripping off wallcovering wash walls thoroughly to remove all residual adhesive. If removal of existing wallcoverings is not practical, follow the guidelines below for non-porous and porous wallcoverings.

  Priming over non-porous wallcovering – SHIELDZ CLEAR may be applied over well-adhered non-porous wallcovering. If it is necessary to hide colors or patterns use SHIELDZ WHITE.

  Priming over porous wallcovering – Seal old, well adhered, porous wallcovering with B-I-N to prevent moisture from reactivating old adhesive. Let dry for 2 hours and prime with SHIELDZ CLEAR.

Application Requirements – Except where noted, one coat of SHIELDZ CLEAR is recommended. Apply the primer evenly and consistently; avoid overspreading.

Application Methods– SHIELDZ CLEAR may be applied by brush, roller, pad or foam applicator, or airless sprayer. For best brushing performance use quality synthetic bristle brushes. Natural bristle brushes are not recommended for use with this product. For best sprayer results use a ¼ gpm or larger unit; 417 or 517 tip; pressure between 2000 and 2500 psi. Apply product directly from the container according to established trade practices and techniques for spray applied coatings. Test apply to evaluate spray pattern and thickness of coating.

Thinning – Thinning is not recommended.

Application Conditions – Apply product within the following ranges: Humidity: 0% to 85% / Temp: 50° to 90° F. Lower temperatures and higher humidity will slow down the dry time.

Paintability – Although surfaces primed with SHIELDZ CLEAR may be painted with latex or alkyd-base paints, this product is not intended for use as a pre-paint primer-sealer.

Hanging Wallcovering – Follow wallcovering manufacturer's instructions.
• Dry time before hanging – Allow surfaces primed with SHIELDZ CLEAR to dry for 2 hours before installing wallcovering.
• Double-cutting/repositioning – Double-cut seams and/or reposition wallcovering strips immediately after installation.

Clean Up – Clean up spills and drips immediately with a wet cloth or rag. If spills or drips have dried use a latex paint remover. Wash application tools in warm, soapy water immediately after use. Follow manufacturer's instructions when cleaning spray equipment.

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

Precautions
CAUTION! May cause eye irritation. Avoid contact with eyes. In case of eye contact, immediately flush eyes with water for at least 15 minutes. Do not take internally. If swallowed, seek medical attention. Keep Out of Reach of Children.

Limitations
SHIELDZ CLEAR Acrylic Wallcovering Primer/Sizing is not intended for sealing porous surfaces (including builder's grade paint), for priming skimcoated drywall, or to prevent wallboard facing paper damage during wallcovering repositioning and/or subsequent removal. Where such protection is required use SHIELDZ WHITE.

Warranty – SHIELDZ CLEAR Acrylic Wallcovering Primer/Sizing is guaranteed to perform as claimed when applied 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 of the container are warranted to be free from 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.

Specification Data

Solids by weight	24% to 25%
Solids by volume	17.8% to 18.8%
Density	9.03 lbs. per gallon
Viscosity range	81 - 88 KU
Maximum VOC	120 g/l (1.1 lb/gal)
Flashpoint (Setaflash)	>200° F.
Flame Spread	5 (ASTM 84-91)
Smoke Development	5 (ASTM 84-91)
Dry time (touch) @ 70° F	30 minutes
Dry time (recoat) @ 70° F	2 hours
Dry Time (to hang) @ 70°F	2 hours
Shelf Life	60 months @ 75° F.
Storage/Handling	Store indoors 40°F – 90° F. Freeze/thaw stable

Packaging and Shipping Information

Size	Product Code	Product UPC	Carton UPC	Case Pack	Case Weight	Case Dim. L x W x H	Case Vol. Cu. Ft.	Case Vol. Cu. In.	Pallet Size	Cases Per Pallet	Gal Equiv. Per Pallet
5's	02100	047719021001	-	1	50 lbs	12" x 12" x 15"	1.25	2160	42"x42"	36	168
Gals.	02101	047719021018	40047719021016	4	40 lbs	14" x 13¾" x 8"	.89	1513	42"x42"	45	180
Qts.	02104	047719021049	60047719021041	6	16 lbs	13" x 9" x 5¼"	.35	614	42"x42"	112	180

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