Technical Data Bulletin

Rust-Oleum Corporation
11 E. Hawthorn Pkwy. Vernon Hills, IL 60061 An RPM Company

Bulls Eye 1-2-3®

DEEP TINT

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

Product No.
02030
02031
02034

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

Performance Characteristics
- Tintable to mid-tone and deep-tone colors
- Hides bright colors and patterns in one coat
- Improves hide and coverage of dark color topcoats
- Rust inhibitive – may be used to prime ferrous metal
- Dried film is mold and mildew resistant
- May be applied to high pH surfaces (up to 12.5)
- Binds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour

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

- Interior – New or previously painted drywall, cured plaster, cement, poured concrete, concrete block, stucco, wood (pine, fir, birch, oak and plywood), aluminum, iron, steel and galvanized metal, PVC, glossy laminates and other interior surfaces.
- Exterior – Recommended for all types of wood (New or previously painted pine, fir, cedar, redwood, plywood, T-111, and pressure treated wood), hardboard, metal (aluminum, steel, iron and galvanized metal), PVC, fiberglass, masonry (stucco, concrete block, poured concrete and brick)
- Rust Inhibitive – Dries to a tight, water resistant film that inhibits development and spread of rust on metal. Remove rust and wipe surface clean with a rag dampened in alcohol.
- Mold & Mildew Resistance – Resists the growth of mold and mildew on the primer film.
- High pH Resistance – Can be applied to high pH surfaces (up to 12.5) without bubbling, lifting or degrading due to high alkalinity making it an ideal primer for concrete, stucco, plaster & fast setting joint/texture compounds.
- Cedar & Redwood Bleed – Traps tannins in the primer film to prevent them from 'bleeding' into the finish coat. For best results, allow to dry overnight before applying topcoat. Very porous woods may require two coats before topcoat.
- Chalky Siding – Contains chalk-binding resins for use on moderately chalked aluminum or previously painted siding and trim.
- Glossy Surfaces – Adheres to glossy enamel paints and clear finishes, Formica®, Masonite®, PVC, fiberglass, vinyl – even ceramic tile – without pre-sanding or surface de-glossing.

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

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

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

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

Tinting – Refer to tint chart on this container. Add up to 6 fluid oz. (180 ml) universal colorant per gallon. It is not necessary that color of tinted primer match topcoat color. (Note that the addition of universal colorant may prolong the dry time of this product)

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

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

Coverage – Approx. 450 sq. ft. (42 m^2) per gallon on smooth, painted, non-porous surfaces; 350 sq. ft. (33 m^2) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

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

Precautions

Keep away from children. Do not take internally. Avoid inhalation of spray or prolonged skin contact. To prevent product from skinning over close container after each use. Keep lid tightly closed during storage. Protect from freezing. If contents freeze, thaw to room temperature before using.

Warranty – Bulls Eye 1-2-3 DEEP TINT 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:	51.0%
Percent Solids, Volume:	35.8%
Density:	10.5 lb. (4.72 kg)/gal
Viscosity Range:	100 – 105 KU
Theoretical Spread Rate @ 1 mill DFT:	540 sq. ft (50 m^2)/gal
Dry Time @ 75° F/50% RH:	Touch: 35 min Recoat: 1 hour
Stain Sealing @ 75° F/50% RH:	2 hours 24 hrs over cedar
Adhesion Cure @ 75° F/50% RH:	14 days
Cured Gloss @ 60°:	23% (satin)
Cured Enamel Holdout:	1.0% gloss chg
Cured Wet Adhesion:	Pass 2000 cycles
Cured Flexibility (1/4"mandrel):	Pass /5A
Flame Spread (ASTM-84-97A):	5, Class 1
Smoke Contrib. (ASTM-84-97A):	0, Class 1
Flash Point (ASTM D3278):	>200F
VOC:	100 g/L
Freeze/Thaw Stable:	Yes
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° – 90° F (4° – 32° C)

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

Limitations – Bulls Eye 1-2-3 DEEP TINT is not intended for blocking heavy water-stains or for application to floors, decks, roof surfaces or any surface subject to immersion or prolonged contact with water. These limitations not to be construed as all inclusive.

Technical Assistance - Available through local authorized Rust-Oleum dealers. For the dealer nearest you call (888) 855-1774 or visit www.zinsser.com..

Packaging

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	02030	1	54 lbs.	36 ea.
1 gallon	02031	4	46 lbs.	45 cs.
1 quart	02034	6	18 lbs.	112 cs.

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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 are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum Corporation to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum Corporation quality control and assume no responsibility for coverage, performance, or injuries from use.