



HEAT REFLECTIVE PAINT

Technical Data Sheet



TECHNICAL DATA SHEET

DESCRIPTION: Preferred Deck's **Reflecto Seal** is a water-based, low sheen, UV stable, 100% acrylic exterior paint/sealer that utilizes infrared (IR) pigments that have solar reflective properties. Surface temperatures are cooler than a standard paint in the same color.

Reflecto Seal can help reduce heat gain and energy costs. Visit www.reflectoseal.com for more details.

Reflecto Seal provides a flexible, breathable barrier against the elements and does NOT utilize elastomeric resins, which can trap moisture. Since this product was first developed for pool deck surfaces, it is also chemically resistant, resilient to ponding water, and has easy-soil release properties. This is an extremely versatile product, due to its excellent adhesion properties. **Reflecto Seal** can be used on: a Preferred Deck acrylic deck coating system, wood, stucco, concrete, clay pavers, brick, block, and metal. In general, **Reflecto Seal** can be applied directly over any previously painted (acrylic) surface that is in good condition (free from chalking or peeling) because it is compatible with most acrylic, water-based products. Do NOT use over epoxy, polyurethane, or solvent-based products.

Use Preferred Deck's **Acrylic Additive** as a primer on porous, unpainted surfaces (such as uncoated concrete, brick, block or new stucco,) or if substantial chalking is present. Do NOT use a primer over painted surfaces that are in good condition - simply "repaint" all previously painted surfaces with **Reflecto Seal**. For alkaline conditions (or if efflorescence is present), use Preferred Deck's **Eff-Reducer** as a primer instead of **Acrylic Additive**.

COLORS: Available in 12 standard colors.

FINISH (ASTM D-523): Low Sheen. 5-7, 60° meter. 4-9, 85° meter.

RECOMMENDED FILM THICKNESS PER COAT: 7-10 mils wet.

VISCOSITY @ 77° F (ASTM D-562): 96-100 KU

SOLIDS BY WEIGHT (ASTM D-2697): 39.65% (+/- 2%)

WEIGHT/ GAL. (ASTM D-1475): 9.6

PACKAGING: Available in pint, gallon, and 5-gallon sizes.

AVERAGE DRY TIME @ 77° F (ASTM D-1640): To Touch: 1-2 hours. Recoat: 2-5 hours. Dry/ Recoat times vary greatly with weather conditions and film thickness - should NOT be tacky before application.

COVERAGE RATE: On knockdown-type pool deck surfaces: approx. 200 sq. ft. per gal. Vertical applications: approx. 250 sq. ft. per gal. Coverage rates vary, depending on application technique, weather conditions, surface texture and porosity. If the correct mils is not attained, then the reflectance values are dramatically reduced.

SURFACE PREPARATION: Apply to clean, dry substrate. Acid washing is not recommended. Thoroughly pressure wash and let dry. Surface must be free of dirt, dust, debris, rust, wax, efflorescence, and all other contaminants. If loose, peeling, or chalky material/old paint is present, sand or scrape to remove. Use products that are compatible with this acrylic, water-based sealer to repair and seal any cracks, holes, or other imperfections before application. Follow product instructions and consult manufacturer if needed. Use "paintable" products without silicone. Clean and sand patched areas, if necessary. Glossy surfaces (including new metal) should be roughed up/etched to ensure a proper bond. For bare wood surfaces, use a water-based primer such as Kilz® (or similar). For uncoated metal surfaces, use a compatible metal primer. For brick, block, and cementitious substrates (such as concrete, porous deck pool textures, or unpainted stucco) or chalky substrates, use Preferred Deck's **Acrylic Additive** as a primer. If efflorescence (or high alkalinity) is present, use Preferred Deck's

Eff-Reducer instead of the **Acrylic Additive**. New cementitious substrates should be fully cured before application (average 30 days.) Call for details.

NOTE: Caution: Be aware that sanding or scraping paint from structures built before 1978 may release asbestos or lead particles. Additional precautions, equipment, and cleanup may be required. For more info, consult your local Health Department or the EPA's National Lead Information Hotline at 800-424-LEAD,

APPLICATION TEMPERATURES: Substrate temperature MUST be between 50-100° F. Do not apply to surface temperatures below 50°F. Do not allow product to freeze. Do not apply in direct afternoon sun when temperatures are extreme, since it can interfere with adhesion.

APPLICATION: Can be brushed, rolled or sprayed. If rolling, use a ½" or ¾" nap roller cover, depending on texture. When spraying, use a commercial-grade airless sprayer with larger tip size (such as 5/17, depending on substrate.) On rough substrates such as stucco, back-rolling may be beneficial. Two coats (applied in opposite directions) are suggested for all applications. Let the first coat dry completely before applying the second. Thinning this product is NOT recommended for any reason.

ACRYLIC DECKING APPLICATION: Use a 3000 psi pressure washer and Preferred Deck's **All Purpose Deck Cleaner**. Additional glossy sealers may hinder reflectance. Add Preferred Deck's **Nonskid Grip** to the last coat for increased slip-resistance. Call for more details.

SAFETY DATA SHEET (SDS): Consult before use at www.reflectoseal.com.

CLEAN UP: Warm, soapy water.

DISPOSAL: Refer to SDS & comply with local, state and federal regulations.

AFTER INSTALLATION: **Reflecto Seal** should not be exposed to rain (or water of any kind) or freezing temperatures for at least 12 hours. For decking applications: no foot traffic for 48 hours. Do not place patio furniture (or other heavy objects) on deck for at least 7 days. No vehicular traffic for 10 days; wet/damp and cold conditions will increase wait time.

REAPPLICATION TIME: Varies greatly with type of application, sun and water exposure, maintenance and traffic. A good average is 5 years for decking applications, 10-15 years for all vertical applications. Call 602-361-8100 for more details or if you have ANY questions about your application.

WARRANTY INFORMATION: **Reflecto Seal** has a limited two-year contractor warranty and a non-transferrable limited lifetime warranty to homeowners. Visit www.reflectoseal.com for details. Warranty issues will be investigated by Preferred Deck with the cooperation of the contractor who installed the product.

DISCLAIMER AND LIMITATION OF LIABILITY

To the best of our knowledge, the information contained herein is accurate. The warranty described herein shall be in lieu of any other warranty, express or implied, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description on the face hereof. The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the products or refund of the purchase price in the event that a defective condition of the products should be found to exist. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available to the Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description, and date of purchase) within thirty (30) days of the discovery of the defect. Final determination whether the use infringes any patents, is the sole responsibility of the Buyer. Dispose of unwanted material per federal, state, and local regulations.

FOR PROFESSIONAL USE ONLY. HOMEOWNERS USE AT OWN RISK. KEEP OUT OF THE REACH OF CHILDREN.

Manufactured by Preferred Deck Systems, 7524 W. Madison St., Tolleson, AZ 85252, 602-361-8100, www.reflectoseal.com