



TECHNICAL DATA SHEET

Rain-Shield (RS-3356)

High pH Alkali Resistant Primer

Description

Lanco® Rain-Shield™ High pH Primer is an ultra premium, high performance, 100% styrene acrylic universal primer & sealer designed to provide superior hiding and sealing properties. It is a versatile product recommended for interior and exterior applications on a variety of new and old surfaces. The product has low VOC and low odor. It is highly alkali resistant and efflorescence resistant and can be applied to surfaces with a pH of 6 to 13.

Product Advantages

- Durable and tough
- Fast drying
- Ultra white
- Will not peel or blister
- Excellent coverage
- Alkali resistant
- Efflorescence resistant

Product Uses

Lanco® Rain-Shield High pH Primer meets the performance requirements of the commercial and residential markets. Recommended for interior/exterior new or previously coated concrete, stucco, cement block, masonry, brick, fiber cement siding, EIFS exterior wall.

Technical Data

SOLIDS: 49.2 ± 1% by weight
38.2 ± 1% by volume

V.O.C LEVEL: 39 g/L

WEIGHT / GALLON: 10.11 ± 0.5 lbs.

FINISH: Satin (15°-20°)
*Geometry 60°

FLASH POINT: Non-flammable

FIRE RATING: Class A

VISCOSITY: 80-87 Ku's

**SUGGESTED FILM THICKNESS,
COVERAGE PER COAT:**
4.0 mils wet, 1.5 mils dry
375-425 sq ft/ gal

*Coverage figures do not include surface porosity, irregularities & material loss due to application methods.

DRYING TIME@ 77°F @ 50% RH:

Temperature and humidity
dependent.

To touch: 1 hour

To recoat: 2 hours

BASE/COLOR: RS3356/ White

Technical Compliance:

AIM: passes
OTC: passes

Application

Stir or shake thoroughly before using. Read all label and Safety Data Sheets (S.D.S.) information prior to use. Paint always on shaded side of the building on exterior application. Do not apply in cold, damp conditions. Avoid exterior application late in the day when dew or condensation is likely to form or rain is expected.

BRUSH: Use a good quality nylon or polyester brush.

ROLLER: Use a ½" to 1 ¼" nap roller cover, depending on the substrate texture.

AIRLESS SPRAY: Use a tip size from .017" to .023". Spray application must be back rolled to work material into surface.

MIXING: Always mix thoroughly before and during application.

THINNING: This product is not to be thinned.

CLEANUP: Clean all equipment immediately after use with warm soapy water. Completely flush all spray equipment with this solution.

Surface Preparation

Surface must be completely dry and in sound condition. All surfaces must be clean and free of contaminants such as form and release agents, dirt, grease, mildew, oil, rust, chalk, efflorescence, organic growth, mildew and non-adherent material. Gloss finishes should be sanded or de-glossed. Feather sand rough edges and spot prime bare areas. Any deteriorated or failed sealant and/or patching compound should be removed and replaced. Fill cracks and primed nail holes with Lanco® Rain-Shield™ Elastomeric Crack Filler. Apply sealants or patching compounds over a primed surface and at a safe level of pH.

CONCRETE & MASONRY SURFACES: Allow a minimum of three (3) days of cure time for new masonry or hot stucco, a seven (7) day cure time for poured in place concrete or a safe pH level below 8.5 prior to application of product. Coatings have a greater resistance against failure when applied to a surface with a lower alkaline level (below 8.5). Clean substrate to remove all form and release agents, dirt, dust, grease and any foreign contaminants. High pH (between 9 and 13) should be primed with LANCO® Rain-Shield™ High pH Primer or LANCO® Rain-Shield™ Clear Acrylic

FIBER CEMENT: Fiber cement siding and trim may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 30 days prior to priming and painting. All cracks and opens seams should be caulked to prevent water penetration. Pre-primed board from the manufacturer may not be uniformly or completely sealed. It is recommended that an alkali resistant primer be applied.

PLASTER SURFACES: Plaster nibs should be scraped and sanded smooth. Cracks should be filled with spackling compound and let dry two hours before painting. No paint or sealer should be applied on plaster when the moisture content exceeds 8%, as determined by a reliable electronic moisture meter.

GYPSUM WALLBOARD SURFACES: Tape and smooth joints with spackling compound and let dry for two hours. Nail heads should be sanded smooth and dusted.

PREVIOUSLY PAINTED SURFACES:

SURFACES IN GOOD CONDITION: Sand any glossy areas by brush blasting (SSPC-SP 7-63) and dust clean.

SURFACES IN POOR CONDITION: If paint is old, loose, peeling or badly weathered, repair and clean surface by sanding, brush blasting (SSPC-SP 7-63) or other methods in order to provide a sound surface. Apply a full coat of primer as recommended.

General Information

MILDEWED SURFACES: Any existing mildew on the surface must be killed and removed prior to the application of this product. Any mildew not removed may continue to grow through the new finish. Using a long-handled brush, scrub mildewed surfaces with a mixture of one quart of household bleach and three quarts of warm water. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach / water solution.

PRECAUTION: For exterior use, must be top coated within 14 days with architectural finish paint. Do not add mineral spirits or other solvents to this product. Do not apply when surfaces or air temperature are below 50°F (10°C). Do not expose to freezing temperatures in storage. Do not use on unpainted ferrous metal. Do not use on staining wood such as cedar, mahogany, or redwood.

LIMITED WARRANTY: The manufacturers liability in connection with the sale of this product extend only to the replacement price if it should fail to comply with quality standards or specifications.

CAUTION: Harmful if swallowed. Contains Acrylic Resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Adequate ventilation required when sanding or abrading the dried film. Always use NIOSH/MSHA TC21C or equivalent.) Goggles are recommended while handling the product. Keep out of reach of children.

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. For chemical emergency call ChemTrec 1-800-424-9300. PROTECT FROM FREEZING.

S.D.S.: Available upon request.

The information presented on this Technical Data Sheet is based on testing conducted by Lanco® Paints & Coatings. No guarantee of accuracy, comprehensiveness, or performance is given or implied. Information and recommendations are subject to change dependent on surface conditions (substrate), weather and method of application. Please consult with a Lanco Representative or visit www.lancopaints.com for complete, up-to-date technical information.

