PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-SilBrite Primer

P/N: 015-0020 Part A
015-0021 Part B

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-SilBrite Primer is a two-component, water-based epoxy, multi-purpose, thixotropic, easy spreading primer.

RECOMMENDED USES:

ERS-SilBrite Primer adheres well to most metals, organic polymers, wood, masonry and vitreous surfaces. This primer may also be used as a masonry block filler. Do not use on copper or silver.

INSTALLATION: **Do Not Thin!**

Surface Preparation: Surface to receive coating must be clean, smooth, dry and paintable. Any debris, gravel, dust, and silt must be removed prior to application.

Weather Restrictions: It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. We also do not recommend application of this product if rain or dew is likely to occur before curing of product.

Mixing Procedures: The two components are packaged separately in the correct proportions (1 part by volume of Part A to 1 part by volume of Part B). For the ten-gallon kit, combine and mix thoroughly. Power mixing is recommended. Part A is a slurry liquid with settling properties. Part B is a viscous liquid. When combined, the resulting product becomes a thixotropic easy spreading suspension.

Do not use material that has been mixed for 4 hours or more.

Application Rates: Applied to a smooth surface, the coverage rate is 200 to 400 square feet per gallon.

Application Equipment: This product may be sprayed, brushed, or rolled. Use long nap (1" to 1-1/4") rollers when ERS-SilBrite Primer is used as a block filler for porous concrete. If blowholes form as the primer dries, make a second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of ERS-SilBrite Primer. Use a ½" or ¾" nap roller or nylon brush.

Application of Top Coats: Most coatings can be applied over ERS-SilBrite Primer as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours. Where maximum solvent resistance is needed, apply two coats a minimum of two hours apart. Let cure for five days with a daily maximum temperature of 70°F or higher. For 60°F days, allow ten days. All elastomers and most commercial paint will adhere well to cured ERS-SilBrite Primer up to three months old, provided the surface is clean and free of chalk.

Toxicity: Part B contains a polyamide resin, which is non-sensitizing. However, care should be taken to thoroughly clean, with soap and water, any skin areas that are contacted by ERS-SilBrite Primer. Undiluted vinegar is very effective in neutralizing coating that contacts the skin. If the coating should get in the eye, flush with water and call a physician.

Clean-Up: Clean up with water is supplemented with soap or a small quantity of vinegar. MEK is recommended for both cleaning and drying of spray equipment in order to avoid corrosion.

STORAGE LIFE:

This product has a shelf life of 1 year; protect from freezing during shipment and storage.

PACKAGING:

ERS-SilBrite Primer is available in 10 gallon kits; A and B (one 5-gallon pail of each) are packaged separately.

PRECAUTIONS:

Do not apply to surfaces which are below 50°F or above 110°F unless special instructions are secured from Ecology Roof Systems. Do not apply when it is raining or if the threat of rain exists. Also, do not apply when the dew point is less than 5°F below ambient temperature.

This product is designed for professional installation. Caution should be exercised to prevent mishap due to improper handling. The use of an appropriate MESA/NIOSH approved respirator during application is important. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution during spray processes to avoid falls caused by slipping on wet primer. Installers should read and understand all technical and informational literature on this product, including Material Safety Data Sheet, prior to using this product.

PHYSICAL PROPERTIES:

Solids Content By Weight	60.5% ASTM-D-1353
Solids Content By Volume	44% ASTM-D-2697
Flash Point	>200°F TOC for mixed product
Flammability	Non-flammable
Hardness	Cures to form a hard, lusterless coating material. However, to achieve maximum hardness, primer must cure 7 days at 60°F to 80°F.
Chemical Resistance	Excellent alkali resistance; good solvent and fair acid resistance.
Adhesion	Excellent adhesion to most surfaces. Most coating materials have excellent adhesion to ERS-SilBrite Primer.
Permeability	Cures to form a solvent and vapor resistant film.
Weatherability	Chalk resistance is poor. Durability without topcoat is only fair.
Pot Life	1-1/2 hours at 75°F. This can be extended to 6 hours by thinning with water to achieve the original consistency. Pot life at 55°F is doubled, but at 100°F, is it reduced to 45 minutes.
Maximum Continuous Service Temperature	185°F (85°C)
Cure Time	Dry to touch in 1 hour or less; full cure in 2 – 4 hours. Seven days at 60°F to 80°F is required to achieve maximum hardness.
VOC	111 Grams / Liter mixed

Ecology Roof Systems ®

Corporate Offices
9821 Olde Eight Road, Unit F, Northfield, OH 44067
PHONE: 330-467-4220 FAX: 330-467-4225
www.ecologyroof.com