

EPOX-Z NRG™

Cool Roof Coating

DESCRIPTION: EPOX-Z NRG™ is a high performance, 100% solids, 0 VOC, solventless Cool Roof coating. Engineered to provide superior performance over all elastomeric Cool Roof coatings, EPOX-Z NRG™ is a flexible, high-build coating that requires just a single coat. This high-performance, bright-white product resists cracking, chalking, peeling, and mildew, while offering superior durability and long service life. It expands and contracts with roof movement to prevent damage.

EPOX-Z NRG™ provides a highly effective barrier to the sun's heat and UV rays that cools roof surfaces and leads to a reduction of interior temperatures and cooling costs. Due to the anticipated effects of weathering EPOX-Z NRG's white, glossy color may lessen to some varying degree over time. This will have no effect on EPOX-Z NRG's performance.

APPLICATION GUIDE: Read the EPOX-Z NRG™ application guide completely prior to starting any application. All coated surfaces may be slippery when wet. Use caution when walking on any wet surfaces.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel, peeling paint, and all other foreign matter. Rusted metal must be cleaned with a wire brush. Surfaces with mildew growth or stains must be cleaned prior to applying this product. Rinse thoroughly after cleaning metal and mildew. Pressure washing entire surface is required. For best results use only a wide fan tip - do not allow stream to tear into roof surface. Repair all leaks and cracks with appropriate materials. Surfaces previously coated with aluminum, asphalt, or tar should be allowed to cure for a minimum of one summer season prior to coating with this product. Do not heat or thin.

Mixing: Proper mixing is critical for achieving a consistent and uniform coating. Any unmixed resin or hardener will not cure properly! Only adequate mixing will result in a successful coating. EPOX-Z NRG™ is a two-part system.

Mix Part A container with a ½" drill equipped with an industrial paddle. Mix at medium speed for 5 minutes. Then pour entire contents of Hardener Part B into the Resin Part A container. Scrape the sides and bottom of the container and fold coating into itself and continue to mix until a homogeneous mixture is obtained.

DO NOT ADD ANY SOLVENTS, WATER, SUBSTANCES, OR AGENTS OF ANY KIND TO EPOX-Z PRODUCTS. BE CERTAIN SPRAY LINES ARE FREE OF THE ABOVE SUBSTANCES PRIOR TO APPLICATION OF EPOX-Z PRODUCTS.

APPLICATION: For exterior use only. Apply in morning hours to allow maximum cure time. Surface temperatures must be above 60°F (for 24 hours) and rising. Apply with a 1/4" nap epoxy adhesive roller or professional airless sprayer. Apply one coat as cited above. Allow to fully cure before allowing foot traffic.

Curing Schedule: Times are dependent upon a number of factors: temperature, humidity, air movement, and method of application. Higher humidity, thicker films, poor air flow, and lower temperatures will affect cure times. Anticipate a full cure in 48 hours.

TYPICAL PHYSICAL & PERFORMANCE PROPERTIES

Weight per Gallon	11 LBS
Solids by Weight	100%
Solids by Volume	100%
VOCs	0
Elongation	> 42%
Reflectivity	80
Emissivity	90
SRI	100
Tack Free	6 HRS
Full Cure	48 HRS
Application Surface Temperatures	60°F and rising
Blistering (ASTM D 714)	10
Chalking (ASTM D 4214)	8
Adhesion (ASTM D 3359)	5 A



We have determined that EPOX-Z NRG™ COOL ROOF COATING Meets or Exceeds guidelines for energy efficiency. When installed properly, this product will help reduce energy costs.

Actual savings will vary based upon geographic location and individual building characteristics.

Consult EPOX-Z Corporation for more information.

WARRANTY AND DISCLAIMER: To the best of our knowledge, the technical data herein is true and accurate at the date of issuance and is subject to change without prior notice. No guarantee of accuracy is given or implied. Liability, if any, is limited to EPOX-Z Corporation's published warranty information.