



KS.109

Kool Seal®

ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

Kool Seal® White Elastomeric Roof Coating (63-300) is formulated with 100% acrylic elastomeric resin. The coating forms a thick rubber-like blanket of protection that expands and contracts with roofs. It remains flexible from -30° F to 160° F for long-lasting protection and provides superior reflectivity to lower interior temperatures and save energy. Adheres to aged galvanized and prepainted metal, polystyrene, aged aluminum coating, pre-cast concrete, flat and barrel cement tiles. For use on built-up roofs, modified bitumen, bonded tar & gravel, most other asphaltic surfaces and in ponding water situations, **Kool Seal® Kool-Lastik™ Primer (34-600)** is required. **Do not use on roofing shingles.** In general, roof coatings, when applied to a structurally sound roof, will extend its life expectancy by protecting the roof from the elements. However, when roofs are badly deteriorated, they may require complete roof replacement instead of coating. If you're not sure, ask a qualified roofing contractor for an evaluation.

FEATURES AND BENEFITS

- Energy saving up to 35%.
- Reflects 90%+ of the sun's rays.
- 100% acrylic elastomeric resin for durability and long life.
- Higher solids for better coverage.
- Forms a thick rubber-like blanket of protection.
- Expands and contracts.
- Protects against moisture.
- Cured elastomeric film is mildew and algae resistant.

Recommended uses:

- Metal
- Concrete
- Foam
- Brick
- Flat Cement Tile
- Unglazed Barrel Cement Tile
- Aged Aluminum Coatings
- Existing Elastomeric Roof Coatings

When used with Kool-Lastik™ Primer, recommended for:

- Ponding Water Conditions
- Rolled Roofing
- Built-up Roofs
- Modified Bitumen
- Bonded Tar & Gravel
- Most Asphaltic Surfaces

CHARACTERISTICS

Color White/Gray/Black
Vehicle 100% Acrylic
Volume Solids 36% ±2%
Weight Solids 50% ±2%
 (Solid content may vary depending on color)
VOC: 23g/l

Drying Time:

To Touch 4-6 hours
Recoat: 24 hours
 2 coat application

Coverage per gallon:

(Apply two coats at the rates shown.)
 Metal (corrugated) 80 sq.ft.
 Metal (smooth) 100 sq.ft.
 Foam / Mod. Bit. 50 sq.ft.
 Concrete (depends on porosity) 50 sq.ft.
 Bonded Tar & Gravel / BUR 50 sq.ft.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Testing: Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility **prior to full scale application.**

Remove all previous coating that is loose by scraping or wire brushing. Then, scrub the roof with a water and detergent solution to remove all dirt, oil and grease. Mildewed areas must be treated with 1 part chlorine bleach, 3 parts water, then washed with detergent. Rinse surface thoroughly and let dry. Simply sweeping a roof surface to remove dirt is ineffective. **NOTE:** Areas collecting ponding water lasting 2-3 days must be repaired using roof drains or other corrective measures. For less severe ponding areas or to be used on rolled roofing, built-up roofs, modified bitumen, bonded tar & gravel or most other asphaltic surfaces (excluding roofing shingles) you must first prime with **Kool Seal® Kool-Lastik™ Primer.**



KOOL SEAL®

ELASTOMERIC ROOF COATING

SURFACE PREPARATION

Kool-Lastik™ Primer is not required or recommended for metal, coated metal, concrete, flat or barrel cement tile, brick or urethane foam. (See specific instructions listed below). Proceed to prime (if needed), then repair seams, cracks, and flashing as well as around skylights, vents, stacks, and other protrusions with **Kool Seal® Acrylic Patching Cement (61-220)** and **Kool Flexx® Reinforcing Grid (20-840)**.

METAL: Remove rust and treat these areas with a quality metal primer. Tighten or totally replace loose fasteners. Then, top coat with **Kool Seal® White Elastomeric Roof Coating**.

CONCRETE: Repair cracks and any weakened sections of concrete with a good quality masonry cement before coating. Remove all salts of efflorescence (white crystal deposits) with a very mild water and muriatic acid solution. Then top coat with **Kool Seal® White Elastomeric Roof Coating**. Over a period of time these deposits may again work their way through the coating. Should this occur, wash the coating with the mild muriatic acid solution to restore the coating's color.

URETHANE FOAM: Repair cracks, holes, and indentations where water will collect with **Kool Seal® Acrylic Patching Cement**. Apply enough patching cement in several layers to indentations to allow water to drain. Then top coat with **Kool Seal® White Elastomeric Roof Coating**.

SURFACE PREPARATION

BONDED TAR & GRAVEL: Remove all loose stones and scrub the roof with a water and detergent solution to remove all dirt, oil, and grease. Prime the surface with two coats of **Kool-Lastik™ Primer** completely sealing all of the gravel to prevent moisture from seeping under the coating. Then, top coat with **Kool Seal® White Elastomeric Roof Coating**.

ROLLED ROOFING & MOD. BITUMEN: Scrub the roof with a water and detergent solution to remove all dirt, oil, and grease. Prime the surface with two coats of **Kool-Lastik™ Primer**. Then, top coat with **Kool Seal® White Elastomeric Roof Coating**.

APPLICATION

Do not apply when temperature is below 50°F or if the temperature is expected to drop below 50°F before the coating has completely dried. Drying time will take four to six hours in temperatures above 70°F with low humidity. Drying time will increase as temperature decreases or humidity is high. Humidity of 85% or more will drastically increase drying time. In areas where dew accumulates in early evening, it is best to coat in the morning. **NOTE:** Stop coating by early afternoon (3 p.m.) to prevent wash off, which will occur if dew, fog, or rain arrive before coating dries. For best results apply with a soft brush, 3/4" heavy nap roller, or airless sprayer. Avoid excessive brushing. Spread uniformly. Cover any previous coating. Always apply two coats in different directions. Apply the first coat in a north-south direction; the second in an east-west direction.

APPLICATION

For spray application, an airless pump is recommended. Pump one gallon per minute with at least 2,000 PSI fluid pressure. Suggested tip sizes are .021 with a 10" pattern or .025 with a 12" pattern. This product has excellent suspension and requires minimal stirring to assure uniformity. If roof is hot, spray with water to prevent coating from drying too fast. May be applied over damp, not wet, surface. **DO NOT USE ON RUBBER ROOFS. DO NOT USE ON FLAT ROOFS WITH A SLOPE OF 1/2 INCH OR LESS PER FOOT.** For troublesome roofs and small shallow ponded water situations, to include modified bitumen, rolled roofing, bonded tar and gravel, built-up roofs and most asphaltic surfaces (excluding roofing shingles), you must apply two coats of **Kool Seal Kool-Lastik™ Primer** then top coat with **Kool Seal® White Elastomeric Roof Coating**.



KOOL SEAL®

ELASTOMERIC ROOF COATING

CLEAN-UP

Clean hands, tools and spills immediately with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

WARNING

- Use with adequate ventilation
- Keep out of the reach of children
- Use a NOISH approved respirator, when necessary
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting

If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Seek medical attention if redness or irritation occurs. Avoid breathing vapors and spray mist. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

ORDERING INFORMATION

Part Numbers

White

Gallon KST063300-16
Five KST063300-20

Gray

Gallon KST063320-16
Five KST063320-20

Black

Five KST063325-20

SMIS

White

Gallon 146-1268
Five 905-8306

Gray

Gallon 108-8848
Five 913-1723

Black

Five 907-7272

TECHNICAL SERVICES

1-888-321-KOOL(5665)
www.koolseal.com

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of KST Coatings and The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your KST or Sherwin-Williams representative to obtain the most recent Product Data sheet.