

Heat Guard™ Exterior

100% ACRYLIC & ELASTOMERIC
ROOF SEALER



PRODUCT DESCRIPTION: Heat Guard™ Exterior is a thick, one component and high performing, urethane ceramic rubberized elastomeric roof and wall sealer. It will provide a 100% waterproof and weather proof seal adhering tightly to any surface without the aid of a primer. The ceramic composition will significantly lower the interior temperature by reflecting 73% of all the sunrays and by eliminating 90% of the heat received (ASTM E-408 C-1371)

BASIC USES: For waterproofing and protecting a wide assortment of roofing substrates that are structurally sound such as conventional bituminous built-up roofs, polyurethane foam, concrete, metal, aged galvanize, bonded tar and gravel and or asphalt shingles.

WARRANTY: 15 year

PRODUCT ADVANTAGES:

- * Dries ultra fast
- * High resistance to algae
- * Dirt pick-up resistance
- * Water ponding resistant
- * 100% UV rays resistant
- * Seals cracks and stops leaks
- * Ultra white, thick and seamless
- * Provides insulation, thus avoiding the heat from entering the building

TECHNICAL DATA

Percent Solids:

59.81 ± 1% by weight
45.92 ± 1% by volume

Weight/Gallon:

11.33 ± 0.5 lbs.

Color:

Blue on application;
Ultra white in 3-4 hours

Drying Time:

To touch: 1 hour
To recoat: 24 hours

Sizes:

5 gallons
1 gallon

Thinning:

Do not thin. Use only as it comes.

Finish:

*Flat (5°-10°)
*Geometry 60°

Viscosity:

120-125 Ku's

Percent Pigment by Weight:

38.7 ± 1%

Weight/Gallon:

10.39 ± 0.5 lbs.

Flash Point:

Non-flammable

Theoretical Coverage:

Up to 650 sq./ft. per gallon @ 1 mil

Surface Preparation: Make certain the roof substrate is thoroughly clean. Remove all foreign matter and old loose coatings by sandblasting, high-pressure water blasting (not recommended on shingles) or wire brushing. Kill and remove all mildew or fungus growth on the substrate, flush with water and let dry completely. Substrate must be dry at time of applying primer and subsequent coating. Be sure roof is well ventilated, in order to avoid condensation on the roof. Do not use on rubber roofs. Roof with standing water and improperly drained areas require annual maintenance (two coats of Heat Guard™ Exterior every year).

IMPORTANT: Even though Heat Guard™ Exterior will resist standing water (for 50 hours), do not use on roofs with a slope less than 1/2 inch per foot (If used on roofs with slope less than 1/2 inch per foot, warranty will be void if not re-coated annually with one coat of Heat Guard™ Exterior).

Mildewed Surfaces: Any existing mildew on the surface must be completely killed and removed prior to the application of this product. (Any mildew not removed may continue to grow through the new finish). Scrub mildewed surface with a mixture of 1 quart of household bleach with 3 quarts of warm water. Rinse completely and let dry.

Ponding Water Areas: Areas where ponding water lasts one day or more must be repaired using roof drains or other corrective measures before applying Heat Guard™ Interior RC-200. Less severe ponding areas must be re-coated with Heat Guard™ Interior RC-200 annually.

Repair cracks and seams: Make sure cracks, seams and flashing are clean and dry. With a putty knife, apply Heat Guard™ Interior Crack Filler and a polyester weave over cracks, seams, flashing and around any standing objects about 2 inches to both sides, and let dry thoroughly 24 hours before applying Heat Guard™ Exterior.

Application: Apply the first coat by pouring container of Heat Guard™ Exterior onto the roof and spreading at a rate of 2-4 gallons per 120-240 sq. ft.. Avoid going twice over the same area. (Be sure to follow drying time between coats or membrane will be lifted or broken.) Allow 24 hours between coats as needed. Apply second coat in same manner as first (by pouring product and spreading it with roller). Second coat should be at a rate of one gallon per 80 sq. ft. Let dry 24 hours between coats.

Water ponding areas: Areas where ponding water lasts one day or more must be repaired using roof drains or other corrective measures, before applying Heat Guard™ Exterior Roof Sealer. Less severe ponding areas must be re-coated annually with Heat Guard™ Exterior.

Concrete Roofs: Repair holes or any weakened areas of concrete surface with good quality masonry cement. Paint area to be repaired with Heat Guard™ Exterior Bonding Agent CB-950 and let dry. Add one gallon of Heat Guard™ Exterior Bonding Agent Blue CB-950 to each fifty pounds of cement in the mix. Apply concrete mix and let cure for one week. Repair cracks using Heat Guard™ Interior Elastomeric Crack Filler™ RC-230 and Heat Guard™ Exterior High Strength Polyester Weave MP-997 as recommended. Apply one coat of Heat Guard™ Exterior. Let dry 24 hours and apply a second coat.

Metal Roofs: Remove rust and prime non-galvanized metals with Heat Guard™ Exterior Metal Master Primer™. For galvanized metals, use Heat Guard™ Exterior Super Galvanized Primer™ SG-664. Replace loose fasteners. Old fasteners must be covered with Heat Guard™ Interior Elastomeric Crack Filler™ RC-230 and let to dry 24 hours. Apply Heat Guard™ Exterior. Let dry 24 hours and apply a second coat.

Polyurethane Foam: Make sure surface is in good conditions, free of holes and cracks. If it's in optimum conditions apply one coat of Heat Guard™ Exterior, let dry for 24 hours and apply a second coat.

Asphalt Roofs: Clean surface, making sure to remove all dirt, oil and grease. Repair cracks as recommended. Apply one coat of Heat Guard™ Exterior, let dry 24 hours and apply a second coat.

Asphalt Shingles: Roof must be clean and completely dry. Apply 2 coats of Heat Guard™ Exterior at a rate of 60 sq. ft per gallon. Let dry 24 hours between coats. Be sure all tabs are completely sealed. If not, apply Heat Guard™ Interior Elastomeric Crack Filler™ RC-230 and Heat Guard™ Exterior High Strength Polyester Weave MP-997 on tab joint as recommended, followed by an additional coat of Heat Guard™ Exterior.

Application: Apply with a Heat Guard™ Exterior 1/4" Nap Rough Surface Roller PA-568 or airless spray. Wait 24 hours between coats. Apply only when temperature is above 50°F (10°C). Do not apply if temperature is expected to drop below 50°F (10°C) before the coating has completely dried. If roof is hot, spray with water to avoid sealer from drying too fast. Two full coats are generally needed for proper sealing. Always apply coats in different directions. Never thin or dilute from full strength.

Recommended Equipment: Use an airless pump with pressure of 1,500 to 2,000 psi. A fluid delivery of 1 to 2 gallons per minute with a spray tip of .026 to .035 will be adequate. Wait 24 hours between coats. The hoses should be at least 3/8" inside diameter and of the high-pressure rate type. If the hose length is more than fifty feet, a larger inside diameter will be required.

Cleanup: Clean roller and equipment after use with warm soapy water.

Drying Time: Approximately 60 minutes to touch. Cure time is controlled by thickness of the applied coating, relative humidity and temperature. Allow 24 hours between coats.

Weather: Select a warm, clear and sunny day. Consult your weather bureau to make sure there is no forecast of rain. Do not apply after 4:00 p.m. Keep rain-free for a minimum of 6 hours after application.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

M.S.D.S.: Available upon request.