

Can be used on:

- Cement tile (flat or barrel)
- Polystyrene foam
- Bonded gravel roofs
- Polyester plastic panel
- R.V. barn and shed roofs
- Aged roofs previously coated with asphalt, aluminum, or tar
- Metal roofs (aged galvanized)
- Mobile home roofs
- Built-up roofs
- Urethane foam
- Modified bitumen roofs

DESCRIPTION: Sta-Kool® #780, Ultra White, Siliconized, Elastomeric Roof Coating is the coolest and highest performing white acrylic roof coating available. This product forms a thick, rubber shield that expands and contracts over 300% to prevent cracking and roof damage. This silicone enhanced product offers unbeatable waterproof protection and long term life. It also provides a highly protective barrier which reflects the sun's heat and destructive UV rays. In turn, this helps to cool surfaces and leads to a reduction of interior temperatures and cooling costs. This product is an "investment", and can actually pay for itself in savings on utility costs.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel or peeling paint and all other foreign matter. Roofs must have proper ventilation. Rusty metal must be cleaned with a wire brush and primed with **Sta-Kool® #670 Fast Dri Primer** or equivalent before application of this product. Pressure washing entire surface is recommended for best results (use only a wide fan spray tip). Repair all leaks and cracks with **Sta-Kool® #390 White Roof Patch and Repair Fabric** in accordance with product instructions. Surfaces previously coated with aluminum, asphalt or tar should be allowed to cure for a minimum of one summer season prior to using these products. Surfaces with mildew growth or stains must be cleaned with a bleach solution (2 parts water to one part bleach). Be certain all surfaces are thoroughly rinsed and dry prior to applying coating.

APPLICATION: Surface and air temperatures must be a minimum of 65°F and rising. DO NOT thin or apply if heavy dew or rain is expected within 24-48 hours. Apply on clear, sunny day in morning hours with a 3/4" nap exterior paint roller. Apply patching products before coating and allow to cure 48 hours. Once cured, apply two (2) uniform coats of **Sta-Kool® #780** over entire surface, avoiding excessive rolling. Two full coats are needed for all applications. Apply second coat perpendicular to first coat. Allow at least 24 hours between coats and 24-48 hours for full curing.

COVERAGE RATE: Apply at 50-75 sq. ft. per gal. per coat. See diagram on side of pail. (TOTAL COVERAGE for two (2) coat application is 25-35 sq. ft. per gallon.)

NOTE: If roof becomes hot (over 100° F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, due to the elements, Elastomeric can be cleaned with a mild water and bleach solution. Excess scrubbing should be avoided. If coloring is desired, a typical addition of 3-4 ounces per gallon of Universal colorant can be added, which will result in light pastel colors. Note: Color tinting will disclaim warranty.

CLEAN-UP: Clean tools with soap and water.

PRECAUTIONS: DO NOT allow product to freeze. Protective clothing and eye wear should be used during application of these products. When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. DO NOT store at temperatures above 110°F. Close container after use. DO NOT reuse empty containers. Not for use on EPDM or some single ply membrane. Do not use in drinking water or food systems.

REGULATORY/ENVIRONMENTAL CHARACTERISTICS:

VOC:	20 g/l max. (.15 lb./gal.)
HMIS Rating	H-1, F-0, R-0, PP-X
RCRA Hazardous Substances	None
SARA Title III listing:	RQ Value 100 lbs
Sec. 302 Extremely Hazardous Substances	no
CERCLA Hazardous Substances	no
Sec. 313 Toxic Chemicals	no



See MSDS for more info

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS

Weight Per Gallon	11.66 lbs.
Solids by Weight	65.2%
Solids by Volume	53.2%
Viscosity (ASTM D-2697)	130 KU
Elongation (ASTM D-562)	250-300%
Tensile Strength (ASTM D-2370)	200-250 psi
Reflectivity (ASTM C-523)	92%
Permeability (ASTM D-1653)	Inverted 20 perms
Adhesion to Polyurethane Foam	4.1 lbs./in.
Combustible Solvents	None
Consistency	Brush, spray or roller
Cure Time (50% Relative Humidity, 70°F)	2-4 hours
Full Cure (50% Relative Humidity, 70°F)	24-48 hours
Application Temperatures	65°F and rising
Flammability	N/A (water-based)
Clean-up Tools	Soap and warm water

Approx. Shipping Weights: (Note: All approx. weights include container.)

1 gallon (3.8L)	12.3 lbs.
(4) 1 gallon containers/case	49.2 lbs.
5 gallons (18.9L)	61 lbs.
55 drums (208.2L)	700 lbs.

CAUTION! HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. KEEP CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

FIRST AID: Avoid prolonged breathing of vapor or spray mist. (NIOSH/MSHA TC 23C or equivalent). In Case Of:

INGESTED: Contact a physician immediately.

SKIN CONTACT: Wash thoroughly with soap and water.

EYE CONTACT: Flush thoroughly with clean water and contact a physician immediately.

10 YEAR LIMITED WARRANTY: Sta-Kool 780 is guaranteed to form a protective coating to your roof, for a period of ten (10) years from the date of purchase. This warranty is only applicable when Sta-Kool products are used for and with repairs, base coat, reinforcing fabric and top-coat according to product instructions. All surfaces must maintain a minimum slope of 1" per foot (5%), to be eligible for this warranty. This 10 year level warranty does not cover flat roofs, or poor drainage surfaces where ponding or standing water exists. If the coating does not perform as stated during the guarantee period, we will provide, with sales receipt, the original purchaser with replacement product to repair the affected part of the roof.

DISCLAIMER: Failures due to acts of God, fire, structural defects or causes beyond our control are excluded from this guarantee. Ensure to comply with all local building codes and regulations. Ensure structural integrity of roof is intact and able to support system and or ponding water situations and weight loads. This manufacturer is not responsible for any labor, property or other consequential damages or costs incurred in the original or any replacement application. Aesthetic irregularities or normal aging effects do not constitute a loss of product integrity and are not sufficient cause for replacement. Except as stated above, we make no warranties or guarantees, expressed or implied, and none should be inferred.

Water	CAS # 7732-18-5
Latex Polymer	CAS # Mixture
Titanium	CAS # 13463-67-7
Calcium Carbonate	CAS # 1317-65-3



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