

PRODUCT DESCRIPTION

KOOL-SEAL® Tundra is a premium, silicone rubber roof coating ideal for ponding water.

FEATURES AND BENEFITS

- Limited Lifetime Product Warranty
- 100% silicone
- High solids
- Superior finish with excellent leveling
- Outstanding adhesion to most roofing material
- NSF P151 Certified for rainwater catchment systems

RECOMMENDED USES

- Metal, single ply, smooth BUR, APP, SBS, modified bitumen, polyurethane foam, cured concrete, existing asphaltic and elastomeric roof coatings and other approved surfaces.
- NOT for use on roof shingles.
- EPDM rubber roofs must be primed with bonding primer designed for EPDM roofs. Other roof substrates including TPO, PVC, metal or asphalt may require primer before application. AN ADHESION PEEL TEST SHOULD BE PREFORMED TO DETERMINE IF A PRIMER IS NEEDED. ASPHALT-BLEED BLOCKING PRIMER OR TUNDRA RUBBERIZED SILICONE ROOF COATING GRAY BASE COAT (KS0064920) IS RECOMMENDED OVER ASPHALT SUBSTRATES TO LIMIT STAINING AND DISCOLORATION.
- DO NOT TINT.

ORDERING INFORMATION

Part Number	Color/Size
KS0064900-16	White (1-Gallon)
KS0064900-20	White (5-Gallon Pail)
KS0064900-27	White (55-Gallon Drum)

PRODUCT CHARACTERISTICS

Technology	100% Silicone
Color	White
Volume Solids	95%
Weight Solids	95%
VOC	<10 g/L
Elongation	315%
Tensile Strength	290 psi
Permeability	7.2 perms
Solar Reflectance Index	110
Drying Time	Rain safe: 60 minutes. Dry to recoat six hours; full cure 72 hours at 70 °F and 50% relative humidity at two gallons per square foot; dry times will be accelerated by higher temperatures and higher humidity; cooler weather, thicker films, poor air flow and low humidity can slow dry time.
Dry time is temperature, humidity and film thickness dependent.	

COVERAGE RATES

If one coat application is desired, apply one coat at 50 sq. ft. per gallon. If applying in two coats, apply each coat at one gallon per 100 sq. ft. Finished coverage will be the same at covering 250 sq. ft. of roof surface per 5-gallon bucket. Textured, porous and worn surfaces may require more product to cover.

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 U.S.) or contact your local health authority.

All surfaces should be clean and dry. Application to a wet or damp surface will compromise adhesion. Treat rust with proper primer. If mildew is present, surfaces should be cleaned with a proper bleach solution (one part bleach to 2 parts water). It is necessary to pressure wash all surfaces (using a wide spray tip, minimum 2000 psi) before applying this roof coating. A peel test sample should be done on all roofs to verify proper long term adhesion. Asphalt-bleed blocking primer is recommended over asphalt substrates to limit staining and discoloration. Repair cracks and damaged areas with Tundra Silicone Sealant and reinforce with a layer of Kool Seal® Storm Patch® Polyester Fabric. Allow all sealants and primers to fully cure per manufacturer directions prior to topcoating.

APPLICATION

Ideal application is when surface and air temperatures are between 45 °F and 99 °F. Do not apply to roofs when air temperatures exceed 120 °F. Surface must be completely dry (including free of dew or frost) before applying. Apply on a clear, dry day with an optimal humidity level of 70%; hotter temperatures and higher humidity causes product to cure more quickly. KEEP FROM FREEZING.

NOTE: Stir 5-gallon pail of product on jobsite prior to pouring onto roof. DO NOT have pails shaken at store. Pour product onto roof surface and spread using a roof brush or notched squeegee to achieve a wet thickness of 30 mils. Backroll with a 3/4" nap roller to fill voids and create a uniform finish. Avoid excessive rolling. Coating application options: If one coat application is desired, apply one coat at 50 sq. ft. per gallon. If applying in two coats, apply each coat at one gallon per 100 sq. ft. Finished coverage will be the same at covering 250 sq. ft. of roof surface per 5-gallon bucket. DO NOT apply if heavy dew or rain is expected within two to four hours.

CLEANUP

Warm, soapy water

CAUTIONS

Store product in the cargo area of vehicle and secure over protective cloths to prevent damage due to accidental spills. For longest life, store in a controlled environment, 45 °F-80 °F. Avoid continual storage in direct sunlight or at temperatures above 99 °F. The contents of this container are reactive with moisture in the air. Curing starts immediately upon opening and opened product cannot be returned. Use all contents within one day of opening.

DO NOT reuse empty containers.

Ponding water creates excessive weight on roofs and may compromise structural integrity leading to a potential collapse hazard. Always follow the National Roofing Contractors Association guidelines to remove ponding water from roof surfaces. SLIP WARNING: Use extreme caution when walking or working on silicone-coated surfaces and apply traction promoting particles in coating if needed for walkway areas. If there will be foot traffic on roof after installation (and cured), embed 40-60 lbs. of #11 ceramic granules per 100 sq. ft. into top layer of coating to create a nonskid finish. Surfaces without granules are slippery when damp or wet. Use OSHA-approved fall protection when on roof surfaces. Applications to TPO, EPDM and Hypalon require an appropriate primer.

LIMITED LIFETIME WARRANTY

From date of purchase, if this product fails to perform in accordance with the product specifications, when applied according to label directions and product data sheet, as your sole and exclusive remedy, upon proof of purchase, we will, at our option, replace the product at no cost or refund the original purchase price. Labor or costs associated with labor not included. This warranty is made to the original purchaser only and is not transferable. This warranty excludes failure due to improper surface preparation, structural defects, or failure of other products. THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY REGARDING THE KOOL SEAL TUNDRA PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. IN NO EVENT SHALL WE BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER, INCLUDING BREACH OF WARRANTY, NEGLIGENCE OR ANY OTHER THEORY OF LIABILITY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

TECHNICAL SERVICES

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.