



SILICONE 22™ RUBBERIZED SILICONE ROOF COATING 44-500 WHITE

Title 24
compliant



PRODUCT DESCRIPTION

Uniflex® Silicone 22™ Rubberized Silicone White Roof Coating is a low-solids silicone rubber roof ideal for ponding water.

GENERAL USES

or use on 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 rinsed with KST Bond-It Wash designed for EPDM roofs. An adhesion peel test should be performed to ensure proper adhesion prior to application. All Mod Bit and Asphaltic surfaces must be aged and no substances present that can bleed through an cause discoloring. All single ply such as TPO, PVC and EPDM must be aged to ensure proper adhesion.

PRIMERS

Metal	KST034520-20 if needed for corrosion
Concrete	KS034900-20
EPDM	KST038620-20

PACKAGING INFORMATION

SKU	SIZE
KST044500-20	5 Gal Pail

PRODUCT CHARACTERISTICS

	White
Vehicle Base	100% Silicone
Weight per Gallon	10.27 +/- .5 lbs
Solid by Weight	80%
Solid by Volume	68%
Viscosity (ASTM D 562)	5,000-12,000
Dry Film Thickness (@ 5 Gallons 250 sq./ft.) Based on smooth even surface	22 mils DFT
Dry Time	
Rain Safe	3 to 4 hours
Recoat	24 hours
Full cure @ 70 °F, 50%	24 to 48 hours

Drying Time is temperature, humidity and film thickness dependent

VOC	246 g/L
Flash Point	>142 °F
Clean Up	100% Virgin Mineral Spirits or Naptha

PERFORMANCE CHARACTERISTICS

Elongation	370%
Tensile Strength	261 psi
Tear Resistance (ASTM D 624)	23.7 lbs/linear feet
Permeance (ASTM E 96 Procedure BW)	13.7 US perms
Solar Reflectance Index	103
Reflectivity	0.87
Thermal Emissivity	0.86

SURFACE PREPARATION

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 pull 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 ONE FLASH™ PERMANENT ROOF REPAIR SEALANT KST051920 GRAY or SILICONE RUBBERIZED ROOF AND FLASHING SEALANT KST044900 WHITE. Please refer to the product data sheets for further direction on using and applying these products.

PRECAUTIONS: For exterior use only. Protect building inlets from product vapors or fumes. DO NOT allow product to freeze. Protective clothing, gloves and eyewear 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. For longest life, store in controlled environment, 45 °F- 80 °F. Avoid continual storage in direct sunlight or at temperatures above 99 °F. Seal container when not in use. Do not walk on coating until fully cured. 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 non-skid finish. Surfaces without granules are slippery when damp or wet. Use OSHA approved fall protection when on roof surfaces.



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APPLICATION CONDITIONS

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 dew before applying. Apply on a clear, dry day with a max humidity level of 70%. DO NOT apply if heavy dew or rain is expected within 2 to 4 hours. KEEP FROM FREEZING.

FOR EXTERIOR USE ONLY. DO NOT THIN.

APPLICATION

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 WFT(wet film thickness) of 32 mils. Backroll with a 3/4" nap roller to fill voids and create a uniform finish. Avoid excessive rolling. If using an airless sprayer, a hydraulic pump with 5,000 - 7,000 psi and a .531" tip is required. If using airless sprayer, clean sprayer using virgin mineral spirits. Coating application options: If one coat application is desired, apply 1 coat at 50 sq/ft per gallon. If applying in 2 coats, apply each coat at 1 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 2 to 4 hours. Refer to UNIFLEX Fluid Applied Roofing Systems Specifications as application rate and technique may vary with substrate type. Note: Depending upon concrete irregularities material yield may vary. 175 sq/ft to 200 sq/ft per gallon is the expected yield for concrete surfaces.

WARRANTY

Uniflex and The Sherwin-Williams Company warrants Silicone 22™ Rubberized Silicone Roof Coating to be free from defects in materials and manufacturing. Under this warranty, we will provide, at no charge, a quantity of Silicone 22™ Rubberized Silicone Roof Coating sufficient to replace any Silicone 22™ Rubberized Silicone Roof Coating proven to be defective when applied according to our written instructions and in applications recommended by us as suitable for the product. **THIS PRODUCT WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY REGARDING THE PRODUCT. IN NO EVENT SHALL UNIFLEX OR THE SHERWIN-WILLIAMS COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE OR OTHER DAMAGES ARISING FROM THE USE OR PERFORMANCE OF THE PRODUCT. REFER TO YOUR PRODUCT WARRANTY CERTIFICATE FOR DETAILS.**

Since methods of application and on site conditions can affect performance, **UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY MAKE NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE REGARDING THE PRODUCT, AND UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY HEREBY DISCLAIM ALL SUCH OTHER WARRANTIES.**

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of KST Coatings- A Business Unit of 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 the publication. Consult your Uniflex Technical Representative to obtain the most recent Product Data Information.

If further information is needed, contact Uniflex Technical Service at
1-888-321-3539

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