



SILICONE RUBBERIZED ROOF AND FLASHING SEALANT KST044900 WHITE

PRODUCT DESCRIPTION

Uniflex® Silicone 44-900 Rubberized Roof and Flashing Sealant is a premium 100% silicone sealant that is permanently flexible. It is a durable, weather resistant seal that provides excellent adhesion to a variety of substrates. Uniflex Silicone 44-900 can be used as a flashing and seam sealer when applied in accordance with the conditions and application instructions below.

GENERAL USES

Adheres to EPDM, primed TPO, primed PVC, metal, concrete, modified bitumen, Hypalon, and other common roof substrates.

General uses include perimeter sealing around through-roof projections, termination points, flashings, fasteners, side and end laps of metal building panels, scrim edges, seams, etc.

Can only be over coated with silicone.

PACKAGING INFORMATION

SKU	SIZE
KST044900-01	10 oz cartridge, white
KST044900-17	2-gallon, white

APPLICATION CONDITIONS

All surfaces must be clean, dry, sound and frost-free.

Apply when surface and air temperatures are between 40°F and 140°F. Do not apply to roofs when surface temperatures exceed 140°F. Surface must be completely dry prior to application.

An adhesion peel test should be performed to determine if a primer is needed. On TPO and PVC membrane applications, a primer is required. Uniflex recommends Uniflex TPO & PVC Adhesion Promoter as a primer for these surfaces.

KEEP PRODUCT FROM FREEZING.

CAUTION: CONTAINS CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air circulation during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air circulation, or wear respiratory protection (NIOSH approved) or leave the area. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use.

PRODUCT CHARACTERISTICS

Color	White
Vehicle Base	100% Silicone
Dry Time	
Tack Free (ASTM 879)	30 min
Cure Time	24 hours
Topcoat	24 hours

Drying Time is temperature, humidity and film thickness dependent

VOC	< 3% by wt
Shelf life	1 year
Grade	Gun grade consistency
Clean up	Mineral Spirits

PERFORMANCE CHARACTERISTICS

Application Temperature	35°F to 160°F
Service Temperature	-60°F to 300°F
Tear Strength (ASTM D624)	30 ppi
Tensile Strength (ASTM D 412)	275 psi
Elongation at Break (%) (ASTM D 412)	540%
Type "A" Hardness	30
High Movement Capability	± 25%

THEORETICAL YIELD (PER 10 FL OZ CARTRIDGE)

Joint Size	Lineal Feet
1/4" x 1/4"	24.8
1/4" x 3/8"	16.5
1/4" x 1/2"	12.4
1/2" x 3/8"	8.7
1/2" x 1/2"	6.2
3/4" x 1/2"	4.1

THEORETICAL YIELD FOR SEAMS @ 60 MILS (PER 10 FL OZ CARTRIDGE)

12.5 lineal ft @ 60 mils x 2" wide
8.5 lineal ft @ 60 mils x 3" wide
6.5 lineal ft @ 60 mils x 4" wide



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APPLICATION PROCEDURES

For best results, remove dust, dirt, and contaminants. Surfaces should be clean and dry.

GENERAL INSTALLION AND TOOLING PROCEDURE: Cut tip of nozzle to required width of bead and puncture foil seal. Place cartridge in caulking gun, squeeze trigger to start flow of sealant and apply with steady pressure. Work sealant into joint. Smooth sealant with knife or spatula ensuring good contact between the sealant and the substrate, proper joint width-to-depth ratios and a final, finished appearance. Tooling time : 4-8 minutes.

METAL LAP / SEAM DETAIL AND FLASHING APPLICATION:

IMPORTANT: Ensure all seams are tight and loose fasteners are snugged down or replaced prior to the application of sealant to lap and seam details. Where excessive roof movement around penetrations, seams, fasteners or gaps larger than 1/8" exist, Uniflex Polyester Fabric should be used to reinforce Uniflex Silicone 44-900 Rubberized Roof and Flashing Sealant.

Apply sealant as described above. Once applied, use a stiff bristle brush or other suitable tool to spread the sealant into a 3"-4" wide strip centered over horizontal laps and seams and around base flashing area to achieve a film thickness of 60 mils. Brush apply two coats of Uniflex Silicone 44-900 Rubberized Roof and Flashing Sealant over and around the base of all fasteners, completely encapsulating the fastener head and flange to create a watertight seal. For gaps larger than 1/8", Uniflex Polyester Fabric should be used to reinforce the Uniflex Silicone 44-900 Rubberized Roof and Flashing Sealant. Allow 30 minutes for skinning and full cure at 24 hours at 70°F, 50% relative humidity prior to over coating.

WARRANTY

Uniflex and The Sherwin-Williams Company warrants Uniflex Silicone 44-900 Rubberized Roof and Flashing Sealant to be free from defects in materials and manufacturing. Under this warranty, we will provide, at no charge, a quantity of Silicone 44-900 sufficient to replace any Silicone 44-900 Rubberized Roof and Flashing Sealant proven to be defective when applied according to our written instructions and in applications recommended by us as suitable for the product. **THIS LIMITED 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.**

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