

Data Pages



PRODUCT DESCRIPTION

Uniflex® Elastomeric MB Base Coat Gray is formulated using a 100% acrylic polymer specially designed for use as a base coat for modified bitumen and asphaltic surfaces, providing outstanding adhesion prior to installing Uniflex Elastomeric Finish Coats. Formulated to resist cracking and peeling and provide excellent waterproofing capabilities.

GENERAL USES

Over smooth SBS modified bitumen, granular cap sheets and other approved surfaces.

PACKAGING INFORMATION

| SKU | SIZE |
|--------------|----------------|
| KST041512-27 | 55 gallon drum |
| KST041512-20 | 5 gallon pail |

APPLICATION EQUIPMENT

Airless Spray

- Hydraulic pump with minimum pressure of 3,300 psi
- Spray tip: Reversible, self-cleaning tip without diffuser pin.
- Size .031" with a fan angle of 60° (ex. 631)
- Hose Size: At 300' total hose length, use 250' of 3/4"-1/2" 10' swivel whip end 3/8" hose.
- General: The longer the hose, the smaller the tip orifice size.

Brush/Roller

- Soft Brushes or a 3/4" nap roller may be used. May require multiple coats to achieve proper coverage.

WARRANTY

This product is manufactured of good materials and by competent workmen. Seller and manufacturer's only obligation shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising from the use or the inability to use the product for his/her intended use, and user assumes all risk and liability. Color fade is not covered under warranty.

PRODUCT CHARACTERISTICS

| | |
|--|--|
| Color | Gray |
| Vehicle Base | 100% Acrylic Resin |
| Weight per Gallon | 11.4 lbs |
| Solid by Weight | 63 ± 2% |
| Solid by Volume | 50 ± 2% |
| Viscosity @ 77 °F | 110 ±5 KU |
| Dry Film Thickness (@ 1 gal/100 sq. ft less surface absorption) | 8.0 mils |
| Dry Time | |
| Exposure | 4-6 hours |
| Between coats | 24 hours minimum |
| Must be topcoated | 48-72 hours |
| | <i>Drying Time is temperature, humidity and film thickness dependent</i> |
| VOC | <50 g/L |
| Specific Gravity | 1.37 |
| Flash Point | N/A |
| pH | 8.5 ± 0.5 |
| Solvent | Water |
| Clean Up | Warm, soapy water |

PERFORMANCE CHARACTERISTICS

| | |
|----------------------------------|-------------|
| Elongation/Tensile @ 73 °F | |
| Initial Elongation (ASTM D 2370) | 500% |
| Tensile Strength (ASTM D 2370) | 205 psi |
| Permeance (ASTM D 1653) | 10 US perms |

APPLICATION CONDITIONS

Do not apply below 50 °F (10 °C) or when rain is forecast. Applications during periods of low temperature or high humidity (Maximum humidity level: 85%) will extend dry time. Allow 4-6 hours for coating to dry prior to being subjected to rain, heavy dew or temperatures below 50 °F.

KEEP FROM FREEZING.

Surface must be power washed to remove dirt, loose paint and rust, excessive chalk, and other foreign matter which could prevent proper adhesion. Surface must be completely dry prior to coating. **IMPORTANT: Where ponding water conditions persist beyond 48 hours, roof drains or other corrective measures must be installed to eliminate water build-up prior to coating the roof.**

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 representative to obtain the most recent Product Data Information.

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



RUBBERIZED SILICONE ROOF COATING 44-300 WHITE



PRODUCT DESCRIPTION

Uniflex® Silicone44™ Rubberized Silicone White Roof Coating is a premium silicone rubber roof coating ideal for ponding water.

GENERAL 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.

Substrates should be aged a minimum of 6 months prior to applying coatings.

An adhesion peel test must be performed to ensure proper adhesion prior to application.

EPDM may require use of Bond-it rinse primer.

All corrosion should be primed with Uniflex Rust Inhibitive primer.

Asphaltic substrates may require Uniflex Bleed Block Primer

PACKAGING INFORMATION

SKU

KST044300-27
KST044300-20

55-gallon drum

PRODUCT CHARACTERISTICS

| | |
|---|--|
| Color | White |
| Vehicle Base | 100% Silicone |
| Weight per Gallon | 11..05 +/- .5 lbs |
| Solid by Weight | 98% +/- |
| Solid by Volume | 98% +/- |
| Viscosity (ASTM D 562) | 7,098 cps |
| Dry Film Thickness (@ 5 Gallons 250 sq./ft.) | 30 mils |
| Dry Time | |
| Rain Safe | 60 minutes |
| Exposure | 4-6 hours |
| Between coats | 6 hours minimum |
| Full cure @ 70 °F, 50% relative humidity | 72 hours |
| | <i>Drying Time is temperature, humidity and film thickness dependent</i> |
| VOC | < 10 g/L |
| pH @ 77 °F | 8.0 |
| Flash Point | >290 °F |
| Clean Up | Virgin Mineral Spirits or Naptha |

PERFORMANCE CHARACTERISTICS

| | |
|------------------------------------|--------------------|
| Elongation | 425% |
| Tensile Strength | 275 psi |
| Tear Resistance (ASTM D 624) | 37 lbs/linear feet |
| Permeance (ASTM E 96 Procedure BW) | 4 US perms |
| Solar Reflectance Index | 110 |
| Reflectivity | 0.90 |
| Thermal Emissivity | 0.90 |

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 p si) 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 Uniflex SILICONE44 Rubberized Silicone Roof and Flashing Sealant. Allow all sealants and primers to fully cure per manufacturer directions prior to top coating.

PRECAUTIONS: For exterior use only. Protect building inlets from product vapors or fumes. DO NOT allow product to freeze. Protective clothing, gloves 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 clothes 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



RUBBERIZED SILICONE ROOF COATING 44-300 WHITE

Title 24
compliant



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: Material may experience separation while in storage with clear material surfacing to the top. Recommend a thorough manual stir and mix of the product prior to application. Power agitation may entrain air into the product if not performed at a slow speed. DO NOT machine shake. Pour product onto roof surface and spread using a roof brush or notched squeegee to achieve a dry film thickness of 30 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 in 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.

WARRANTY

Uniflex and The Sherwin-Williams Company warrants Silicone44™ 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 Silicone44™ Rubberized Silicone Roof Coating sufficient to replace any Silicone44™ 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 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.**

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Revised 03.2024