

QUIK-SHIELD 602HS SILICONE

QUIK-SHIELD® 602HS is a High Solids Silicone Roof Coating for a professional contractors. This product is a high performance, solvent free, high solids, single component, moisture cure liquid applied silicone roof coating. QUIK-SHIELD 602HS Silicone is an elastomeric and vapor permeable membrane exhibiting outstanding ponded water resistance for primer-less application over various substrates such as low-sloped or flat roofing systems, vertical walls, masonry, granulated BUR/Mod-Bit, granulated APP, concrete, metal, single-ply membranes and spray polyurethane foam (SPF) systems.

TYPICAL PHYSICAL PROPERTIES

Properties achieved in a lab environment at 77°F. Field conditions may cause variation in properties.

	VALUES
Tensile Strength	>240psi @ 73° F
Elongation	>270% @ 73° F
Tear Resistance	>23lbf/in @ 73° F
VOC	<50g/L
Initial Solar Reflectivity	0.87
Accelerated Aged Solar Reflectivity	0.8
Initial Emissivity	0.9
Initial SRI Value	110
Permeance (Method B)	3.4 perms
Solids by Weight	>96%
Solids by Volume	>95%
Tack Free Time	Less than 8 hours (RH dependent)
Full Cure Time	8-72 hours

RECOMMENDED STORAGE AND SHELF LIFE

- Storage Temperature: 35°-75°F
- 18 month shelf life from date of manufacture (unopened containers)

PRODUCT INFORMATION

Product Colors White, Grey, Tan

Product Packaging 55 Gallon Drum, 5 Gallon Pail

PREPARATION OF SUBSTRATES

Providing the proper substrate is the responsibility of the owner, the owner's appointed representative, the contractor, and/or inspector. The following are manufacturer's recommendations. However, other preparation techniques may be required given unique/specialized application circumstances. Contact **SWD Technical Support at 888-380-2022** for additional questions.

Prior to coating, all surfaces must be clean and dry. It may be necessary to power wash and/or primed to enhance adhesion and or limit asphalt bleed through. Refer to the manufacturers specification for all preparation and guidelines.

PROCESSING

Mixing DO NOT thin product with solvent or other solutions. Product may separate after shipping and storage, though it may still look mixed. Mix well before using. We recommend the use of a 3/4 horsepower or larger air operated mixer with a blade capable of uniformly mixing the entire container. When product is in 5-gallon pails, use a 3" minimum diameter-mixing blade. Hand mixing with a suitable mixing blade is acceptable. When product is in drums, use a 6" minimum diameter-mixing blade. Containers are packaged with a layer of dry nitrogen, to keep latent moisture from prematurely starting the curing process. Once opened, the product has a pot life of 2-6 hours, depending on relative humidity conditions

APPLICATION

1. QUIK-SHIELD 602HS is intended for use as a direct-bond, single pass silicone roof coating. Apply at a minimum rate of 1.5 gallons per 100 ft² for a minimum Dry Film Thickness (DFT) of 22 mils. The roof and substrate should be prepped per the manufacturers specification prior to coating. Consult SWD technical team for questions regarding other dry film thickness. The coating will be dry to-touch in 2-8 hours and should be completely cured and a walkable surface in no more than 72 hours depending on weather conditions (such as temperature and humidity). #11 Ceramic Roofing Granules may be installed in the topcoat to improve aesthetics, traffic resistance and impact resistance. No more than 2.5 gallons per 100 ft² should be applied in a single-pass or application. 602HS should not be applied at ambient temperatures lower than 40° F. Be sure that all surfaces are not wet or damp and that rain is not forecasted during application window or for at least 1 hour after application has ended.
2. Not recommended for use in permanent standing water for periods longer than 72 hours. For applications over bituminous or asphaltic substrates, the use of SWD's 510 Asphalt Bleed Trap is recommended to prevent asphalt bleed-through or staining. QUIK-SHIELD 602HS can be applied directly over most existing, aged single ply membranes including PVC, TPO, EPDM, and Hypalon pending positive results from an in-field adhesion test. Always refer to the manufacturers (SWD's) specification for application limitations, procedures, and guidelines.
3. This product may be sprayed, squeegeed, brushed, or rolled. Due to the viscosity of the material, a high-pressure airless paint pump capable of producing a minimum of 4000 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output and be fed by a 5:1 transfer pump to prevent cavitation. Always use components rated for pump pressure. Hoses should be moisture resistant for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (7000 PSI) with reverse-a-clean spray tip. Recommended spray tips are Heavy Duty, 529 to 635. DO NOT USE hose that has been used for Acrylics or other waterborne coatings because the liner absorbs moisture and initiates the silicone cure process.

CLEANING AND MAINTENANCE

Cleanup of spray equipment containing uncured material may be accomplished by flushing with VM&P Naphtha or Rule 66 Mineral Spirits. QUIK-SHIELD 602HS cures by reacting with moisture and should not be left in spray guns, pump equipment and/or hoses for prolonged periods unless equipment contains moisture lock hoses, fittings, and seals. Equipment without these components will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections potentially causing an increase in operating pressure and material flow restriction



The information herein is believed to be reliable; however, unknown risks may be present. SWD Urethane makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The product will meet the written liquid component specifications as indicated on the technical data sheet published at the time of the purchase. The entirety of SWD Urethane's responsibility is limited only to the cost of the SWD material. The foregoing constitutes SWD Urethane's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.

Safety is the responsibility of the owner, the owner's appointed representative, the contractor, and/or inspector. Become familiar with local, state, and federal regulations regarding chemical health, safety, and handling. For more information consult the product SDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.spraypolyurethane.org).