



QUIK-SHIELD 1929F

Flame Retardant Acrylic Coating

QUIK-SHIELD® 1929F is a high solids, heat resistant, water based, elastomeric coating material made from 100% acrylic polymers. It prevents degradation to roofing caused by normal weathering, aging, and ultraviolet exposure. QS1929F is a flame retardant coating that is odor free and fast drying.

TYPICAL PHYSICAL PROPERTIES

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

	PROCEDURE	VALUES
Elongation at Break (% at 0° F)	D-2370	255
Elongation at Break (% at 75° F)	D-412	355
Foam Adhesion Failure, Dry (peak)	D-413	6.1
Foam Adhesion Failure, Wet (peak)	D-413	3.5
Hardness	Shore A	60
Low Temperature Flexibility (-15° F, 3000 hrs)		Pass
Solids by Weight (%)	ASTM D-1644	65
Solids by Volume (%)	ASTM D-2697	55
Surface Burning Flame (index)	E-84	10
Surface Burning Smoke (index)	E-84	15
Tensile Strength (psi at 0° F)	D-2370	299
Tensile Strength (psi at 75° F)	D-412	280
Viscosity (cP #6 Spindle at 50 rpm)	D-2196	3000-5000
Water Vapor (perms at 20 mils)	E-96	3.5
Water Absorption (% 168 hr at 75° F)	D-2842	5

RECOMMENDED STORAGE AND SHELF LIFE:

- Storage temperatures 50-100°F (10-38°C) See back for preconditioning of material.
- 18 month shelf life from date of manufacture (unopened containers).
- Keep container tightly sealed.
- Store out of direct sunlight, in a cool dry place, avoid freezing.

PRODUCT INFORMATION

CRRC 0658-0001	White-colored coating: Solar Reflectance Index 84, Solar Reflectance 0.69, Thermal Emittance 0.87
Product Colors	White and Buff (Colors can vary slightly from each batch). Custom colors available, subject to minimum ordering quantities.
Product Packaging	275 Gallon Tote and 55 Gallon Drum

APPROVALS / COMPLIANCE

ASTM D-6083 Specification for Liquid-Applied Acrylic Coating Used in Roofing

UL 790 Standard Test Methods for Fire Tests of Roof Coverings

Evaluated by ICC-ES, ESR2532



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 for technical questions.

It is recommended to remove dust, dirt, oil, latents, paint, and alternative polymers from all surfaces prior to applying SWD products.

Spray Foam	<ul style="list-style-type: none"> • Coating should be applied 2-24 hours after installation of foam. Beyond 24 hours, contact SWD for recommendations. • Avoid contaminating surface of foam after foam installation. • Blow off surface of foam, as necessary, before application of coating.
Steel & Other Metals	<ul style="list-style-type: none"> • Metal surfaces should be free of all rust, scale, dirt, grease, oil, chalking, paint or other contaminants. • It is the responsibility of the contractor/end user to determine proper adhesion and suitability. Contact SWD for recommendations.
Concrete	<ul style="list-style-type: none"> • The concrete surface should be fully cured, structurally sound, clean, and dry.
Previously Applied Foam or Other Polymers	<ul style="list-style-type: none"> • As practical, remove previously applied foam and other polymer products. Application of product over existing materials should be performed only after adhesion/compatibility is verified.
Other Substrates	<ul style="list-style-type: none"> • It is the responsibility of the contractor/end user to determine proper adhesion and suitability. Contact SWD for recommendations

PROCESSING

Mixing	Mix as necessary. Separation might occur when product is stored for an extended period of time.
Equipment	<p>Can be applied by brush, roller, or airless sprayer</p> <p>High pressure airless sprayer:</p> <ul style="list-style-type: none"> • Minimum 1000 psi • No filter • Hose 3/8” minimum spray line • Tip 619-645

Proper application settings is the responsibility of the end user. If additional information is required, contact **SWD Technical Support at 888-380-2022.**

APPLICATION

1. Clean surfaces according to “Preparation of Substrates” section.
2. Ambient/substrate temperatures should be between 50-130°F. Higher and lower application temperatures are possible, contact SWD technical support for more details.
3. Flush an adequate amount of material through the lines/gun prior to spraying desired surface when changing between systems. Flush amount will be dependent on prior system used. Contact an SWD technical support for more details.
4. Before application, test material to ensure that material sprays, cures, and hardens properly.
5. Inspect applied material intermittently to ensure no problems exist. If problems are detected, discontinue application and inspect all substrates, equipment, gun, and liquid material for problem source(s).
6. Never allow liquid components to run out.
7. Allow product to cure a minimum of 4 to 6 hours before applying additional coat layer.

CLEANING AND MAINTENANCE

1. Spray equipment must be maintained in proper operating condition. Failure to adequately maintain spray equipment may result in poor product performance. Refer to your equipment manufacturer’s maintenance procedures for more details.
2. Contact SWD for long-term equipment storage recommendations.

WARRANTY

SWD Urethane offers 5, 10, 15, and 20 year roof warranties. All roof warranties must be registered with SWD Urethane . See SWD Limited Warranty - Roofing Systems and Coatings for required coating thickness and additional details.



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).