

QUIK-SHIELD 1929 F

Flame Retardant Acrylic Coating

QUIK-SHIELD® 1929 F 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.

BENEFITS:

- Fire Retardants
- Mildew Retardants
- Rust Inhibitors
- Odor Free
- Fast Drying
- Environmentally safe

TYPICAL PHYSICAL PROPERTIES*:

	PROCEDURE	VALUES
Solids by Weight (%)	ASTM D1644	65
Solids by Volume (%)	ASTM D2697	55
Viscosity (cP #6 Spindle @ 50 rpm)	D2196	3000-5000
Low Temp Flexibility (-15° F, 3000 hrs.)		Pass
Tensile Strength (psi @ 75° F)	D-412	280
Tensile Strength (psi @ 0° F)	D-2370	299
Elongation at Break (% @ 75° F)	D-412	355
Elongation at Break (% @ 0° F)	D-2370	255
Hardness	Shore A	60
Surface Burning Flame (index)	E-84	10
Surface Burning Smoke (index)	E-84	15
Water Vapor Permeance (perms @ 20 mils)	E-96	3.5
Water Absorption (% 168 hr @ 75° F)	D-2842	5
Foam Adhesion Failure, Dry (peak)	D-413	6.1
Foam Adhesion Failure, Wet (peak)	D-413	3.5

APPROXIMATE COVERAGE:

Dry Mils/100 sqft/gallon	8.3 mils
5 Year Material Limited Warranty	16 mils/2 gal/100 sqft
10 Year Material Limited Warranty	24 mils/3 gal/100 sqft
15 Year Material Limited Warranty	32 mils/4 gal/100 sqft

RECOMMENDED PROCESSING INFORMATION (ADDITIONAL DETAILS ON BACK):

- Can be applied by brush, roller, or airless sprayer.
- High pressure airless sprayer
 - Minimum 1000 psi
 - No filter
 - Hose 3/8" minimum spray line
 - Tip 619-645
 - Substrate Temperature: 50-130° F (10-54° C)**

**Temperatures outside this range are possible, contact SWD for more information

MIXING (ADDITIONAL DETAILS ON BACK):

- Mix as needed.

STORAGE AND SHELF LIFE:

- Storage temperatures 50-100°F (10-38° C). See back for preconditioning of material.
- Six 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.

APPROVALS/ COMPLIANCE:

- ICC ESR-2532
- California Fire Marshal Listing No. 040175-1321:100, 2280-1321:102
- Class A rated roof system component
- General purpose flame retardant coating
- City of Los Angeles RR-24072, CRRC #0658-0001
- CRRC, LEED, Energy Star compliant



CRRC & ENERGY STAR COMPLIANT (ON WHITE-COLORED COATING):

Solar Reflectance Index	103%
Solar Reflectance	82%
Thermal Emittance	91%



FLAME RETARDANT:

- UL 723 rated Class I
- UL 790 rated Class A
- Meets coating requirements for UL Roof Systems #136, 181, 206
- California Fire Marshall listed as a component of Class A rated roof systems and as a "general purpose fire retardant chemical coating."

PACKAGING:

275 Gallon Tote
55 Gallon Drum

FINISHED PRODUCT COLOR:

White, Buff, Santa Fe Buff, Tan, Light Gray, Dark Gray (Colors can vary slightly from each container)

WARRANTY:

SWD Urethane offers 5 to 15 year material limited warranties and 5 to 20 year system warranties on Quik-Shield® 125 roofing foam when coated with Quik-Shield® 1929F. All roof warranties must be registered with SWD. See SWD Urethane Warranty Program for required coating thickness and details.



SWD Urethane

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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

- 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

- 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

- The concrete surface should be fully cured, structurally sound, clean, and dry.

PREVIOUSLY APPLIED FOAM or OTHER POLYMERS

- 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

- It is the responsibility of the contractor/end user to determine proper adhesion and suitability. Contact SWD for recommendations.

PROCESSING

1. Mixing is not necessary.
2. Product can be applied by brush, roller, or airless sprayer
3. Clean with a thorough water flush.
4. Contact an SWD representative for further recommendations.

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 representative 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 representative 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 recoating.

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.



SWD Urethane

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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).