



SWD Quik-Shield® | 1929F High Reflectivity Roof Coating

SWD Quik-Shield® | 1929F is a high solids, heat resistant, water based, elastomeric coating material made from 100% acrylic polymers.

It is an ideal coating for all types of roofing including:

- Spray polyurethane foam (SPF)
- Built-up
- Single-ply
- Metal
- Concrete

SWD Quik-Shield® | 1929F prevents degradation to roofing caused by normal weathering, aging and ultraviolet exposure. It includes special fire retardants, mildew retardants and rust inhibitors that help extend the service life of any roofing system.

SWD Quik-Shield® | 1929F is easy and convenient to apply. It is fast drying, odor free and environmentally safe. It is also ideal for applications to walls, tanks, silos and many other surfaces.



SWD Quik-Shield® | 1929F an ideal cool roofing solution

A cool roof reflects and emits the sun's heat back into the sky instead of transferring it into the building.

A cool roof can:

- Increase indoor comfort by keeping a building cooler in the summer months.
- Reduce energy costs. Studies have shown that cool roof coating can lead to energy savings of 30-40%.
- Address air pollution and global warming concerns by lowering CO₂ and other emissions associated with fossil fuel generated electricity.
- Reduce "urban heat island effect" by reflecting heat back into the atmosphere.
- Pay for itself. The California energy commission cites cases of a 2-5 yr payback for installing a cool roof.

Source: Cool Roof Rating Council

Tested & Approved

SWD Quik-Shield® | 1929F is CRRC, Energy Star & LEED compliant.

ICC, UL, FM, Miami-Dade, California Fire Marshall approved

SWD Quik-Shield® | 1929 coatings were tested by the US Navy Civil Engineering Lab (NCEL) in an on-going environmental test from 1977-1990. Rated "excellent" and "recommended for use at any and all locations."



Underwriters Laboratories





SWD Quik-Shield® | 1929F

High Reflectivity Roof Coating - Specifications

CHARACTERISTICS:

FLAME RETARDANT:

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

CRRC & ENERGY STAR COMPLIANT:

Solar Reflectance Index (SRI) 103%.
82% Solar Reflectance
91% Thermal Emittance

ADHESION:

Rigid polyurethane roofing and insulation foam
Asphalt shingle roofing
Concrete, masonry, wood, metal

MOISTURE PROOF-VAPOR RETARDANT.

Perm rating of 3.5 allows the dried film to "breathe"

WEATHER RESISTANT:

Acrylic polymers extend durability
Titanium dioxide blocks ultra-violet light effects
Tested "Excellent" in on-going Naval Civil Engineering Laboratory study.
Meets ASTM D-6083 standards

MILDEW RESISTANT:

Contains mildew retardants to inhibit or prevent mildew growth.

APPROVALS/CODE COMPLIANCE:

ICC : Research Report # 3182
UL: File # R-8671, R-9303 Construction # 136, 181, 206
CALIFORNIA FIRE MARSHALL:
ID# 4175-1321:100
ID#2280-1321:102
Class A rated roof system component
General purpose fire retardant coating
CITY OF LOS ANGELES: Report # RR 24072
MIAMI-DADE: #06-1204.03

SHELF LIFE: Unopened containers @ 50°-89°F 6 months

COLORS: White, Buff, Santa Fe Buff, Lt. Grey, Dk. Grey

CAUTION: Do not take internally. Keep out of reach of children.

PHYSICAL PROPERTIES:

SOLIDS CONTENT:

By Weight 70+ 5%
By Volume 60+ 5%

WEIGHT /GAL:

11.9 lbs

COVERAGE:

(Mils/100 sf./gal) 9.3

VISCOSITY: (Krebs)

96-102

ULTIMATE TENSILE STRENGTH:

psi @ 75°F ASTM D-412 280
psi @ 0°F ASTM D-2370 299

ELONGATION AT BREAK:

% @ 75°F ASTM D-412 355
% @ 0°F ASTM D-2370 255

SURFACE BURNING CHARACTERISTICS:

Flame Spread ASTM E-84 10
Smoke Developed UL 723 15

PERMEANCE:

(Perms @ 20 mils) ASTM E-96(Procedure B) 3.5

SOLAR REFLECTANCE INDEX:

ASTM E-1980 103%

SOLAR REFLECTANCE:

ASTM E-903 82%

THERMAL EMITTANCE:

ASTM E-408 91%

HARDNESS:

ASTM D-2240 (Shore A) 60

ADHESION TO POLYURETHANE FOAM:

ASTM D-413 (Cohesive Peak Failure)
Dry 6.1 Wet 3.5

LOW TEMPERATURE FLEXIBILITY:

(-150F) 1800 Bend-
After 3000 hrs. Pass
After 1 yr Outside Pass

WATER ABSORPTION:

ASTM D-2842 (168 hr. @ 75°F) 5%

INSTALLATION:

May be applied by brush, roller, or conventional airless spray equipment. Tools can be cleaned with a thorough water flush. Surface should be dry, clean and free of contaminants or oxidation. When applying over foam (SPF): to avoid damaging the skin of the foam, operator should wear soft soled shoes. The coating should be applied 2-72 hours after foam installation. It is recommended that operators wear sunglasses to avoid temporary blinding effects due to glare. Do not apply at ambient temperatures below 50°F.

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