

# QUIK-SHIELD 2122

## High Solids Silicone Walkway Coating

**QUIK-SHIELD® 2122** is a high solids, single component, VOC compliant, moisture cure fluid applied silicone coating. This high contracts coating make highlighting walkways easy.

### **DURABLE:**

- High tensile strength
- Chemical, corrosion, and abrasion resistant

### **PACKAGING:**

5 Gallon Pail  
55 Gallon Drum

### **FINISHED PRODUCT COLOR:**

Yellow and black

### **TYPICAL PHYSICAL PROPERTIES\*:**

### **PROCEDURE**

### **VALUES**

Yellow	Black
37	37
350	247
174	237
10.7	10.7
Nil	Nil
-37 - 100 (-35 - 212)	
No degradation	
Class A	
89	
90	
113	

Durometer Hardness, Shore A, points	D-2240
Tensile Strength (psi)	D-412
Elongation at Break (%)	D-412
Permeability <sup>1</sup> , perms	E-96
Tensile, Set at 100 percent elongation	
Temperature Stability Range, °C (°F)	
Accelerated Weathering, QUV, 5,000 hours	G 154
Flame Spread	E-108
Initial Solar Reflectivity <sup>2</sup>	C-1549
Initial Thermal Emissivity <sup>2</sup>	C-1371
SRI Value <sup>2</sup>	

<sup>1</sup>20 mils at 100°F (38°C) and 90 percent relative humidity

### **PHYSICAL PROPERTIES:**

### **Yellow**

### **Black**

Solids by Volume (%)	95±2	92±3
Specific Gravity at 77°F (25°C)	1.26	1.24
Tack-free time	1-2 hours	1-2 hours
Cure time	1-4 hours	1-4 hours
Volitile Organic Compounds (VOCs)	<50 grams/liter	<50 grams/liter
Flash Point	141°F	141°F

### **EQUIPMENT (ADDITIONAL DETAILS ON BACK):**

- Can be applied by brush, roller, or airless sprayer.
- To prevent equipment damage, contractors wishing to use airless spray equipment should be experienced with silicone products.
- High pressure airless sprayer
  - Minimum 3500 psi (gun 5000 psi)
  - Hose 3/4" BUNA-N jacketed hose (dedicated to silicone)
  - Tip min .030 and 50° Fan
  - Minimum 3 gallons / min.

### **MIXING (ADDITIONAL DETAILS ON BACK):**

- Use a Milwaukee Drum Mixer or equivalent with a mixing blade. Mix on high speed for 5-10 minutes before application.

### **STORAGE AND SHELF LIFE:**

- Storage temperatures 40-80°F (4-27° C)
- 12 months shelf life from date of manufacture (unopened containers)
- Keep container tightly sealed.
- Store out of direct sunlight, in a cool, dry place, avoid freezing.
- Silicone product must be used immediately after opening container

\*Properties achieved in a lab environment at 77°F, unless otherwise noted. Field conditions may cause variation in properties.

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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.

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. Blasting and priming is not always required. Contact SWD for recommendations.

### **CONCRETE**

- The concrete surface should be fully cured, structurally sound, clean, and dry.
- Fill large voids with appropriate backer rods or appropriate fillers.
- Blasting and priming is not always required. It is the responsibility of the contractor/end user to determine proper adhesion and suitability. Contact SWD for recommendations.

### **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. It is recommended to precondition material to 70-80°F prior to application. Material may thicken at lower temperatures which can cavitate pumps.
2. We recommend using an electric-driven drum mixer in the center bung of drum, and ensure that the mixer is securely attached. Use a spade-handled, variable speed paddle mixer, 1/2" diameter.
3. Mix on low speed for 15 minutes before application.
4. Product should be sprayed with a high pressure airless sprayer capable of producing a minimum of 3500 psi at the spray gun head should be used. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed 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 (5000 psi) with reverse-a-clean spray tip, having a minimum orifice of .030 and a 50° fan tip.

## **APPLICATION**

1. Clean surfaces according to "Preparation of Substrates" section.
2. If priming, follow manufacturer recommendations. Ensure primer is adequately cured prior to application.
3. Substrate temperatures should be between 32-140°F. Higher and lower application temperatures are possible, contact SWD representative for

more details.

4. 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.
5. Before application, test material to ensure that material sprays, cures, and hardens properly.
6. 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).
7. Recoat preparation techniques may include solvent wiping.
8. Tack free time: 1-2 hours
9. Cure time: 1-4 hours

## **CLEANING AND MAINTENANCE**

Spray equipment must be maintained in proper operating condition. Failure to adequately maintain spray equipment may result in poor product performance. Uncured silicone can be cleaned with VM&P or mineral spirits. Refer to your equipment manufacturer's maintenance procedures for more details. Contact SWD for long-term equipment storage recommendations.



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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](http://www.sprayfoam.org)) or the ACC ([www.spraypolyurethane.org](http://www.spraypolyurethane.org)).