QUIK-SHIELD® 2120 is a high solids, single component, VOC compliant, moisture cure fluid applied silicone coating.

**DURABLE:**
- High tensile strength
- Chemical, corrosion, and abrasion resistant

<table>
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<tr>
<th>TYPICAL PHYSICAL PROPERTIES*</th>
<th>PROCEDURE</th>
<th>VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durometer Hardness, Shore A, points</td>
<td>D-2240</td>
<td>37</td>
</tr>
<tr>
<td>Tensile Strength (psi)</td>
<td>D-412</td>
<td>247</td>
</tr>
<tr>
<td>Elongation at Break (%)</td>
<td>D-412</td>
<td>237</td>
</tr>
<tr>
<td>Permeability</td>
<td>E-96</td>
<td>10.7</td>
</tr>
<tr>
<td>Tensile, Set at 100 percent elongation</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>Temperature Stability Range, °F</td>
<td>- 35 to 212</td>
<td></td>
</tr>
<tr>
<td>Accelerated Weathering, QUV, 5,000 hours</td>
<td>G 154</td>
<td>No degradation</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>E-108</td>
<td>Class A</td>
</tr>
<tr>
<td>Initial Solar Reflectivity²</td>
<td>C-1549</td>
<td>89</td>
</tr>
<tr>
<td>Initial Thermal Emissivity²</td>
<td>C-1371</td>
<td>90</td>
</tr>
<tr>
<td>SRI Value²</td>
<td>113</td>
<td></td>
</tr>
</tbody>
</table>

¹ 20 mils at 100°F (38°C) and 90 percent relative humidity
² Applies to QS 2120 white only

**PHYSICAL PROPERTIES:**
- Solids by Volume (%) 92±3
- Specific Gravity at 77°F (25°C) 1.24
- Tack-free time 1-2 hours
- Cure time 1-4 hours
- Volatile Organic Compounds (VOCs) <50 grams/liter
- Flash Point 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):**
- 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.

**ENERGY STAR COMPLIANCE REQUIREMENTS:**
- Solar Reflectance Index (SRI) 105%.
- Solar Reflectance (white) 85%
- Thermal Emissivity (white) 85%

**PACKAGING:**
- 5 Gallon Pail
- 55 Gallon Drum

**FINISHED PRODUCT COLOR:**
- White, Tan, Light Gray, Dark Gray

**WARRANTY:**
SWD Urethane offers 5 to 15 year material limited warranties and 5 to 20 year system warranties. All roof warranties must be registered with SWD. See SWD Urethane Warranty Program for required coating thickness and details.
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.

See NRCA and SPFA guidelines for further details on substrate preparation.

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.
• If priming, use Quik-Shield 2105. Refer to Quik-Shield 2105 TDS for more details.

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.
• If priming, use Quik-Shield 2105. Refer to Quik-Shield 2105 TDS for more details.

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 (Krause & Becker 69856 Dual Speed Mixer or equivalent) in the center bung of drum and ensure that the mixer is securely attached. Recommended configuration = 400RPM-800RPM, 120V, 10A. Pneumatic configuration = 400RPM-800RPM, 100psi inlet, 12cfm.
3. Recommended folding blade arrangement: 6” blade top, 6” blade middle, 8” blade bottom.
4. Mix on high speed for 5-10 minutes before application
5. 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. The pump should have a minimum of 3 gallons per minute output rate. 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.
6. Proper application temperature setting is the responsibility of the end user. Equipment temperature varies and can be dependent on equipment, hose length, elevation, ambient temperature, substrate temperature humidity, and other factors. Contact an SWD representative for further recommendations.

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. Ambient/substrate temperatures should be between 32-130°F. Higher and lower application temperatures are possible, contact SWD representative for more details.
4. Do not apply if there is rain, dew, fog, or frost, the relative humidity is 90% or more, the ambient temperature is 40°F or below, or if the ambient temperature is within 5°F of the dew point.
5. 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.
6. Before application, test material to ensure that material sprays, cures, and hardens properly.
7. 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).
8. Never allow liquid components to run out.
9. Recoat window is less than 12 hours after installation of initial coat. Beyond 12 hours, contact SWD for recommendations.
10. Recoat preparation techniques may include abrasion, and/or solvent wiping.
11. Tack free time: 1-2 hours
12. Cure time: 1-4 hours

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.

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 and/or expressed or implied, concerning this product’s merchantability or fitness for any particular use. The product will meet the written and/or material 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 contact the product SDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.spraypolyurethane.org).