# QUIK-**SHIELD 1940**

*General Purpose Acrylic Coating*

**QUIK-SHIELD® 1940** is a water-based, low VOC coating developed to be used on BUR, mod-bit, recoat of foam, and metal substrates. It can be used as a blocking or barrier coat to eliminate bleed-through to the top coating system. QUIK-SHIELD® 1940 technologies provide low VOC levels along with greater color-bleed resistance and adhesion.

## *TYPICAL PHYSICAL PROPERTIES*

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

| | PROCEDURE | VALUES |
|---|---|---|
| Weight per Gallon | ASTM D-1475 | 11.7 |
| Solids by Weight (%) | STM D-1644 | 65±5 |
| Solids by Volume (%) | ASTM D-2697 | 50±5 |
| Viscosity (cP #6 spindle at 50 rpm) | D-2196 | 6500-8500 |
| Tensile Strength (psi at 75° F) | D-412 | 130 |
| Tensile Strength (psi at 0° F) | D-2370 | 650 |
| Elongation at Break (% at 75° F) | D-412 | 400 |
| Elongation at Break (% at 0° F) | D-2370 | 300 |
| Hardness (Shore A) | D-2240 | 60 |

## *PRODUCT INFORMATION*

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| Product Color | White, tan or gray (Colors can vary slightly from each batch) |
| Product Packaging | 5 Gallon Pail, 55 Gallon Drum, 275 Gallon Tote |

## *RECOMMENDED STORAGE AND SHELF LIFE*

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

## *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.

| | |
|---|---|
| Steel & Other Metals | • Metal surfaces should be free of all rust, scale, dirt, grease, oil, chalking, paint or other contaminants.<br>• 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*

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| Mixing | Mix as necessary. Separation might occur. |
| Equipment | Can be applied by brush, roller, or airless sprayer<br>High pressure airless sprayer:<br>• Minimum 1000 psi<br>• No filter<br>• Hose 3/8" minimum spray line<br>• 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 and cures 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.