

# DURO-SHIELD™ SILICONE BRUSH-GRADE SEALANT

**DESCRIPTION:**

Duro-Shield™ Silicone Brush-Grade Sealant is a high-solids, non-shrinking moisture-cure silicone sealant for filling and patching cracks and voids on various substrates prior to application of Duro-Shield silicone primer and coating.

Duro-Shield Silicone Brush-Grade Sealant has excellent adhesion to concrete, masonry, polyurethane foam, PVC, EPDM, aged acrylic coatings, granular cap sheet, wood and metal.

- Minimal odor
- No solvents

**ORDERING:**

Approximate coverage rates are 25 square feet per gallon when troweled or 18 to 20 linear feet per tube when dispensed with a caulk gun.

- 10-ounce tubes (Item #4255)
- 1-gallon pails (Item #4253)
- 3.5-gallon pails (Item #4254)

**STORAGE AND HANDLING**

- Store product tightly closed in a dry, cool and well-ventilated place.
- Keep out of direct sunlight.
- Shelf life is two years in an unopened container, from date of manufacture printed on product, when following these recommended storage procedures.

Example: 040218024

Date of Manufacture: 04/02/2018 Batch: 024

**PRECAUTIONS:**

- Read Safety Data Sheets (SDS) prior to using. SDS can be found on the Duro-Last website.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Use only in well ventilated areas and avoid breathing vapors.
- Keep container closed when not in use.
- Do not expose closed containers to extreme heat.
- **Keep away from children.**



| DURO-SHIELD SILICONE BRUSH-GRADE SEALANT PROPERTIES |             |                 |
|---|-------------|-----------------|
|   | Test Method | Results         |
| <b>Weight</b>                                       | ASTM D 1475 | 10 lb. / gallon |
| <b>Color</b>  | –           | White           |
| <b>Slump</b>  | ASTM C 693  | No sag          |
| <b>VOC Content</b>                                  | EPA 24      | 10 g / L        |
| <b>Viscosity</b>                                    | ASTM D 2196 | 700,000 cps     |
| <b>Solids by Weight</b>                             | ASTM D 1644 | 98%             |
| <b>Solids by Volume</b>                             | ASTM D 2697 | 97%             |
| <b>Hardness – Shore A</b>                           | ASTM C 661  | 26              |
| <b>Tensile Strength</b>                             | ASTM D 2370 | 200 psi         |
| <b>Elongation</b>                                   | ASTM D 2370 | 500%            |
| <b>Movement</b>                                     | ASTM C 719  | +/- 25%         |
| <b>Flash Point</b>                                  | ASTM D 56   | None            |
| <b>Skin Time</b>                                    | –           | 10 minutes      |
| <b>Tack Free</b>                                    | ASTM C 679  | 1 hour          |

**SPECIFICATIONS**

- ASTM C 920, Type S, Grade NS, Class 25, Use NT, T, M, G, A and O.
- Federal Specification TT-S-00230c, Class A, Type II, Class B
- Canadian Standards Board CAN 19, 13-M82

**INSTALLATION:****1. General**

- **Application below 32° F (0° C) is possible, however curing will not begin until the temperature is above freezing.**

**2. Substrate Preparation**

- a. Repair, if necessary, the substrate by following *Substrate Preparation* instructions within the Duro-Shield Silicone Roof Coating Installation Guide.

**3. Cleaning Procedures**

- a. Apply to surfaces which are clean, dry and free of oil, mildew, grease or any other contaminants. Follow *Cleaning Procedures* within the Duro-Shield Silicone Roof Coating Installation Guide.

**4. Seam Treatment**

- a. Joint dimensions should not exceed 1-inch by 5/8-inch deep. Use polyethylene backing rod for depths exceeding 5/8-inch.
- b. Use a putty knife or trowel to apply product to cracks and voids. Refillable caulking guns may also be used to apply the product.
- c. If re-coating is needed, wait 1 hour for first coat to dry.
- d. Allow to dry for 24 hours.

**CLEANUP:**

- Uncured product may be removed with virgin mineral spirits. Do not use water.
- Application equipment should be cleaned immediately after use with virgin mineral spirits. Do not use water.