

# DURO-SHIELD® SILICONE REINFORCED SEALANT

## DESCRIPTION:

Duro-Shield® Silicone Reinforced Sealant is a high-adhesion, silicone-based, solvent-free, single-component, waterproof, elastomeric, moisture-curing sealant combined with reinforcing fibers for added strength.

Duro-Shield Silicone Reinforced Sealant has low odor properties, with excellent adhesion to:

- Single-ply membranes:
  - Duro-Last® PVC
  - Other PVC
  - EPDM
- Metal
  - On structurally sound metal panels with moderate to extensive oxidation, clean and lightly abrade to remove loose rust.
  - Adhesion tests are recommended, especially over previously coated or painted metal substrates.
- Aged acrylic coatings
- Granular cap sheet
- BUR
- Concrete
- Masonry
- Polyurethane foam
- Wood

## ORDERING:

Approximate coverage rate: 25 ft<sup>2</sup>/gal (0.61 m<sup>2</sup>/L)

- 5-gallon pails (Item #425405)

## STORAGE AND HANDLING

- Store product tightly closed in a dry, cool and well-ventilated place, out of direct sunlight.

## SHELF LIFE

- Shelf life is two years from date of manufacture when stored in sealed containers between 0° – 80° F (-17° – 26° C).
- Manufacturer code example: W24A0001
  - Finished goods code: W
  - Manufacture date: 24 (Year)
  - Month: A (January)
  - Batch: 0001

## PRECAUTIONS:

- **KEEP AWAY FROM CHILDREN.**
- **NOT WATER-SOLUBLE.** Water will gel this product.
- Keep container closed when not in use.
- Read Safety Data Sheets (SDS) prior to using. SDS can be found at:  
<https://www.duro-last.com/duroshield>.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Use only in well-ventilated areas and avoid breathing vapors.
- Do not expose closed containers to extreme heat.



DURO-SHIELD SILICONE REINFORCED SEALANT PROPERTIES		
	Test Method	Results
Color	–	Bright White
Approximate Coverage	–	4 gal/100 ft <sup>2</sup> (1.63 L/m <sup>2</sup> )
VOC Content	EPA Method 24	< 0.4 lb/gal (< 50 g/L)
Viscosity (at 25° C)	ASTM D2196	30,000 cps
Solids by Weight	–	96%
Solids by Volume	–	94.4%
Hardness – Shore A	ASTM D2240	55
Tensile Strength	ASTM D2370	145 psi (1 MPa)
Elongation	ASTM D2370	63%
Flash Point	ASTM D3278	169° F (76° C)
Tear Resistance	ASTM D624 Die C	19 lb/in <sup>2</sup> (0.7 G/mm <sup>2</sup> )

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

- Do **not** apply in temperatures below 40° F (4° C) or above 120° F (49° C).
- If building will be occupied during application and/or curing, HVAC systems should be turned off until sealant has sufficiently cured.
- Should not be used to bridge gaps larger than 1/4 inch (6.4 mm) without additional fabric reinforcement.

**2. Substrate Preparation and Cleaning Prior to Seam Treatment**

- Refer to instructions within the Duro-Shield Silicone Roof Coating Installation Guide.

**3. Seam Treatment**

- a. Joint dimensions should not exceed 1 inch by 5/8 inch (25.4 x 15.9 mm) deep. Use polyethylene backer rod for depths exceeding 5/8 inch (15.9 mm).
- b. Use a putty knife or trowel to apply product to cracks and voids.
- c. If re-coating is needed, wait 4 hours\* for first coat to dry.
- d. Allow to dry for 4 hours\* at 55° F (12° C) prior to coating with Duro-Shield Silicone Roof Coating. **Must be coated within 48 hours.**

\* NOTE: Drying time depends on weather conditions such as temperature, humidity, and air movement.

**CLEANUP:**

- Clean application tools and equipment with virgin mineral spirits. Recirculate through lines and gun until residual coating is removed. DO **NOT** USE WATER OR RECLAIMED SOLVENTS.