

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:
 - PVC (polyvinyl chloride)
 - EPDM (ethylene propylene diene monomer)
 - TPO (thermoplastic polyolefin)
- Galvanized steel, aluminum, Galvalume®
 - 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.
- Concrete
- Masonry
- Sprayed polyurethane foam
- Aged acrylic roof coatings:
- Wood
- BUR (built-up roofing)
- Granular cap sheets

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 on the [Duro-Last website](http://www.duro-last.com).
- 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.



ORDERING:

Refer to Application step 4 for approximate coverage rates. Refer to the Duro-Shield Silicone Roof Coating Installation Guide located on the [Duro-Last® website](http://www.duro-last.com) for additional application guidelines.

Duro-Shield Silicone Reinforced Sealant is available in the following options:

- 5-gallon pails (Item #425405)

DURO-SHIELD SILICONE REINFORCED SEALANT PROPERTIES		
	Test Method	Results
Color	—	Bright White
Approximate Coverage	—	4 gal/100 ft ² (1.63 L/m ²)
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 ² (0.7 G/mm ²)

APPLICATION:

Labor & Material Warranties are available. Please contact your Duro-Shield Representative for requirements.

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

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

3. Seam Treatment

- a. Joint dimensions should not exceed 1 x 5/8 inch (25 x 16 mm) deep.
- b. Use polyethylene backer rod for depths exceeding 5/8 inch (16 mm).
- c. Use a putty knife or trowel to apply product to cracks and voids.
- d. If re-coating is needed, wait 4 hours* for first coat to dry.
- e. Allow to dry for 4 hours* at 55° F (12° C) prior to coating with Duro-Shield Silicone Roof Coating.
- f. **Must be coated within 48 hours.**

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

4. Approximate Coverage Rate

- 25 ft²/gal (0.61 m²/L)

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.