



Duro-Shield™ Silicone Coating FAQ's

What conditions need to be in place to apply Duro-Shield Silicone products?

- Flat roofs with positive drainage are recommended.
- Substrates must be between 35 degrees and 100 degrees Fahrenheit to apply Duro-Shield Silicone coating.

What size containers is Duro-Shield Silicone coating available in?

Duro-Shield Silicone coating will be stocked in one-gallon and five-gallon pails. Fifty five-gallon drums are also available upon request, however these volumes are made-to-order and require a longer lead time.

How long must a roof be aged to apply Duro-Shield Silicone products?

It depends on the roof material and location - harsh climates cause roofs to age faster.

- Some single-ply membranes may chalk as they age. For these materials, it is important that Duro-Shield Silicone is applied before the membrane starts to crack. If a newer membrane still appears glossy, use sandpaper or a deglossing agent to gently remove the gloss from the surface. Then use a primer and top coat, or wipe it down with acetone.
- Some metal roofs may corrode as they age. Before applying Duro-Shield Silicone to metal substrates, metal panels with light rust must be treated with Duro-Shield Universal 2-Part Epoxy Primer to prevent further deterioration. The entire roof surface must have no more than 20% rust.
- As built-up (BUR) and modified bitumen roofs age, the asphalt-based materials shrink, blister and dry out. Coating these materials before cracks form and seams split can prevent water infiltration and damage.

How do you clean a roof to prepare it to be coated with Duro-Shield Silicone?*

- Kill and remove any living organisms such as algae, mold or fungus with a fungicidal treatment. Ensure that the substrate will not be adversely affected by the treatment.
- Pressure wash (1,000 psi maximum) with water and/or approved cleaner. Do not damage or inject water into the substrate during washing. Allow to dry completely.
- Use a stiff bristle push broom to remove all dirt, dust, loose particles, and other contaminants that may interfere with proper adhesion.

What else do I need to do to prepare the substrate to be coated with Duro-Shield Silicone?*

- All screws and seams must to be sealed with Duro-Shield Silicone Brush-Grade Sealant before applying the Duro-Shield Silicone coating. Sealant needs to cure for 24 hours before coating can be applied.
- Duro-Shield Silicone Primer requirements:

Aged Galvanized Metal	BUR/Modified Bitumen	TPO	Aged Duro-Last	Other Aged PVC's
Primer Required	Primer Required	Primer Required	Primer Not Required	Primer Not Required
EPDM	Kynar® & Vinyl-Coated Metal	Concrete	Wood	Spray-Applied Polyurethane Foam
Primer Not Required	Primer Not Required	Primer Not Required	Primer Not Required	Primer Not Required

* Refer to the Silicone Installation Guide for more information - available on the Duro-Last website at www.duro-last.com/duroshield



How do I figure out how much product I need?

Coverage needs are determined by warranty requirements. Refer to the Duro-Shield Silicone Installation Guide for a detailed outline of requirements based on substrate type, as well as the Duro-Shield Silicone Coating Calculator on the Contractor Portal.

How long do I need to wait before applying additional layers of coating?

The length of the desired warranty will determine the number of required coats and application volume per coat. Allow each layer to dry completely before applying additional layers. Detailed requirements can be found in the Duro-Shield Silicone Installation Guide.

How do I apply Duro-Shield Silicone coating?

Duro-Shield Silicone coating can be applied with an airless sprayer, 1" nap minimum roller, or brush.

I have rust on my roof. Does that matter?

Yes, rust will bleed through the coating. Before applying Duro-Shield Silicone to metal substrates, metal panels with light rust must be treated with Duro-Shield Universal 2-Part Epoxy Primer to prevent further deterioration. Refer to the Duro-Shield Silicone Installation Guide for more information.

What do I use to clean my equipment?

Clean your equipment immediately after application with virgin mineral spirits. Do not use water.

Does Duro-Shield Silicone have a warranty?*

Yes, the Duro-Shield Silicone coating has an available 5-, 10-, 15-, and 20-Year Limited Warranty. Detailed requirements including substrate preparation and minimum mil values for each warranty option can be found in the Duro-Shield Silicone Installation Guide.

** Warranties begin on date of purchase; Duro-Shield coated roofs are not inspected by Duro-Last Quality Assurance Technical Representatives.*

** Printed warranties are available upon request; contact the Duro-Last Warranty Services Department for a printed copy if needed.*

While Duro-Shield coated roofs require minimal regular maintenance, it is recommended that all roofs be monitored for potential damage after significant weather events and/or rooftop service activities. Visit www.duro-last.com/duro-last/careandmaintenance to access and download a free resource guide for implementing a routine maintenance check of your Duro-Last Roofing System.



For more information give us a call or visit our website today.

800-248-0280

duro-last.com/duroshield