

Wearlon SF-Primer

Technical Data Sheet

Meets EPA, USDA, And FDA 21 CFR 175.300 Requirements

Coating Type: Wearlon SF-Primer is a unique silicone-epoxy primer exhibiting tough, abrasion resistant, anti-friction, and corrosion resistant attributes. This primer also offers increased adhesion strength. SF-Primer is a water-based, low VOC coating that forms a corrosion resistant, protective barrier for your surface/equipment.

Surface Types and Adhesion: SF-Primer gets excellent adhesion to fiberglass, metals, and most plastics including epoxies, polyurethanes, and alkyds. SF-Primer should not be applied over ablative, oil-based, or repellent paints.

Mixing Instructions: Wearlon SF-Primer is a 2 component product. The primer is packaged as a kit which contains the proper ratio of ingredients between the 'A' and 'B' components. The entire contents of each container should be mixed together. For quantities less than the pre-packaged kit, mix as follows: To 11 parts of the A component, mix in 2 parts of the B component. A practical method would be to simply use ½ of each. Mix the A and the B until completely blended. NO INDUCTION PERIOD NECESSARY...Spray or Roll immediately. Pot life is 1 hour.

Application: Refer to the Application Guide

Shelf Life: 40 days. The shelf life can be extended to 3 months-plus if the containers are stored in a climate controlled area and are shaken every 2 weeks.

Cautions: Do not allow it to freeze. It will spoil if it freezes.
Once the SF-Primer has been applied and cured, the surface becomes very slippery.

Coverage: At a standard 7-9 wet mils you will get 180-210 sq. ft. per gallon.

Solids: By weight: 49%. This means a standard application of 8 wet mil will dry to 4 mils DFT (dry film thickness).

Cure Time: 5 to 7 days. After Primer application, wait at least 5 days before putting surface/equipment back into use. If you can press your fingernail into the coating IT IS NOT FULLY CURED YET.

Speeding up the cure to 3 to 4 days: By creating optimal climate conditions, the curing process can be sped up. Utilizing heat, air flow, and dehumidifiers, you can optimize curing.

Optimal Conditions: Humidity - Below 55%
Heat - 85 to 100 degrees F.
Air Flow - Constant

Speeding up the cure to 9 to 10 hours by adding heat: Do not begin adding heat until 8 hours after the coated surface has been room temperature cured. Then add heat gradually, beginning at 125 degrees F, and slowly moving up to a maximum temperature of 270 degrees F. The whole heating process will be approximately 1 hour.

ASTM Data: Tensile Strength: > 1750 PSI **Elongation:** ASTM 2370 > 5% **Adhesion:** ASTM D451>1100 PSI
Abrasion: (CS 15/Kg/1000 cycles)<35 mg loss **VOC:** ASTM 3960 - 0.5#/gal. **Heat Resistance:** Do not exceed 275°F

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