



**Simco**  
*We've Got You Covered*

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## **SIMFLEX-117** **VINYL PRETREATMENT WASH PRIMER**

**Description:** Pretreatment Wash Primer is a two-component, quick dry etch primer designed for use on aluminum, galvanized steel, and ferrous substrate to ensure good adhesion of subsequent primer coats.

**Conformance:** Compiles with the following Government specifications: DOD-P-15328d, MIL-P-15328b, Navy formula #117 tin metals.

**Recommended Uses:** Tie-coat between inorganic Zinc Rich Primers and a Vinyl Topcoats for protecting bridges, offshore and marine equipment.

### Technical Data

<b>Type:</b>	Polyvinyl Butyral
<b>Color:</b>	Gray green
<b>Solids by Volume:</b>	9.6 % (mixed)
<b>Recommended Film Thickness:</b>	0.3-0.5 mils dry; 3.25-5.5 mils wet
<b>Mixing Ratio</b>	4:1 by volume (Resin component to hardener)
<b>Theoretical Spreading Ratio:</b>	305 sq. ft. / gal. @ 0.5 mils
<b>Flash Point - Closed Cup:</b>	63°F (mixed)
<b>Pot Life @ 77° F (25° C):</b>	5-6 hours
<b>Drying Time @ 77° F (25° C):</b>	
To touch:	10 minutes
To handle:	15 minutes
Hard dry:	Min. - 1 hr. ; Max. - 8 hrs.
<b>Shelf Life:</b>	1 year
<b>Thinner for Washing/Cleaning:</b>	T-117

### Packaging:

Available in 1 and 5 gallon short filled containers with a plastic bottle containing phosphoric acid when added to base component will make 1 and 5 gallons respectively.

### Surface Preparation:

Remove all dirt, oil, grease, mill scale and rust. Sandblasting of surface is preferred. Wash primer must be applied to clean bare metal.

### Mixing:

The base component should be well mixed and then the acid component added while slowly stirring. Do not mix until ready to use, as Simflex-117 Wash Primer is most effective when freshly mixed and must be used within a few hours. The acid component is no a thinner and must be used exactly as directed.

### Spray Equipment:

Devilbiss paint pressure pot with double regulators, MBC-510 gun, FX tip and needle, 705 air cap.

### Application:

Apply in a wet thin film to a DFT of .3 to .5 mils. Do not apply to thick of a film, for it will impair adhesion of topcoats. Do not apply in temperatures below 40°F.

### Warning:

This product contains flammable solvents. Avoid breathing of dust. Keep away from heat or open flame. Avoid contact with skin or eyes. Do not take internally. In case of contact with skin, flush with plenty of water and for eyes flush with much water for 10-15 minutes. Get medical attention. In confined areas, provide adequate fresh air ventilation; use fresh air masks and explosion proof equipment. Forbid all flames, smoking, and welding in work area.

**Safety Precautions:**

- (A) Use normal precautions such as gloves, facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights & electrical equipment.
- (D) Non-Sparking shoes & tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- (F) Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

**Non-Warranty:**

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