



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TECHNICAL DATA SHEET

SIMFLEX-8514 METAL PRETREATMENT COATING COMPOUND

DESCRIPTION: Metal Pretreatment Coating Compound is a two-component, quick dry etch primer designed for use on aluminum, galvanized steel, and ferrous substrate's to ensure good adhesion of subsequent primer coats. The coating compound is not intended to be used as a permanent protective coating in itself. It can be used as a Tie-coat between inorganic Zinc Rich Primers and a Vinyl Topcoats for protecting bridges, offshore and marine equipment.

CONFORMANCE: This product conforms to Military Specification: MIL-C-8514, REV C.

TECHNICAL DATA

TYPE:	Polyvinyl Butyral
COLOR:	Lt. Yellow, Green
SOLIDS BY VOLUME:	9.1 % (mixed)
RECOMMENDED FILM THICKNESS:	0.3-0.5 mils dry; 3.5-4.5 mils wet
MIXING RATIO:	4:1 by volume (Resin component to hardener)
THEORETICAL SPREADING RATIO:	290 sq. ft. / gal. @ 0.5 mils
VOLATILE ORGANIC COMPOUNDS (VOC):	6.2 lbs./gallon or 743 g/l
FLASH POINT - CLOSED CUP:	55°F
POT LIFE @ 77°F. (25°C.):	5-6 hrs.
DRYING TIME @ 77°F (25°C):	
A. TO TOUCH:	10 minutes
B. TO HANDLE:	15 minutes
C. HARD DRY:	Min. - 1 hr.; Max. - 8 hrs.
SHELF LIFE:	1 year
THINNER FOR WASHING/CLEANING:	T-8514

PACKAGING: Available in 1 and 5 gallon short filled containers with a plastic bottle containing phosphoric acid. When phosphoric acid is added to the base component, it will make 1 and 5 gallons respectively.

SURFACE PREPARATION: Remove all dirt, oil, grease, mill scale and rust. Sandblasting of surface is preferred. Metal Pretreatment coating must be applied to clean bare metal.

Simco Coatings Inc.
211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.
Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO
e-mail: sales@simcocoatings.com web: www.simcocoatings.com



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

SIMFLEX-8514 **METAL PRETREATMENT COATING COMPOUND**

MIXING: First, vigorously stir the base component. Then add the acid component while slowly stirring. Do not mix until ready to use, as Simflex-8514 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 exceed DFT of 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 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.

NON-WARRANTY: The technical data listed herein has been compiled for your convenience and guidance and is based upon our experience and knowledge. However, since we have no control over the use of this information of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance or any other damages, including injuries resulting from use of this information or of products recommended herein.

Simco Coatings Inc.
211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.
Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO
e-mail: sales@simcocoatings.com web: www.simcocoatings.com