

VFI®-1016 STEEL PRIMER

VFI-1016 Steel Primer is a high solvent-based, single-component urethane primer. It is used to prepare bare metal surfaces for the application of an approved polyurea or polyurethane top coat. Applied easily by brush, roller, or spray equipment, the colorless primer strictly promotes adhesion without forming a film. VFI-1016 has a quick dry time for same-day application of a top coat.

- Convenient single-component packaging for easy application
- Fast drying for quick application of a polyurea or urethane top coat
- Versatile application by spray equipment, roller, brush, or wipe on
- Excellent adhesion when applied directly to steel surfaces
- Compatible with spray-on bedliners (VFI-542, VFI-543, & VFI-544)

LIQUID PROPERTIES

TEST RESULTS

Solids by Weight	3%
Solids by Volume	3%
Mixed Liquid Density	7.22 lbs/gal
Mixed Specific Gravity	0.866 g/mL
Mixed Viscosity	3 cps
Recoat Window	1-6 hours
Flash Point	81° F
VOC	840 g/L

MANUFACTURER OF HIGH PERFORMANCE POLYMERS

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VFI®-1016 STEEL PRIMER

APPLICATION REQUIREMENTS

Do not heat the material before or during application. Only apply the primer when the surface temperature is between 40°F - 120°F. If the temperature decreases below 40°F before the primer is fully applied and cured, it may affect adhesion results. Do not apply it in areas where rain or other moisture contamination is present before a top coat can be applied.

The standard coverage over a smooth surface is 2 wet mils or 800-1200 sq/ft per gallon. Apply enough material in a uniform coat to thoroughly wet the metal surface, and avoid making puddles. After the primer has dried, a top coat must be applied the same day, within the 1-6 hour recoat window.

SURFACE PREPARATION

Thoroughly degrease the surface with acetone or MEK to remove contaminants, such as grease, dirt, oils, and loose particles that could affect adhesion. The steel surface should be abraded with a wire cup brush sander or 40-grit sandpaper. Once scuffed, degrease the surface again, and allow it to dry before applying the primer. Apply painter's tape and cover all areas you do not plan on priming or top coating.

Note: Not all metal applications require a primer, but it is recommended for larger exposed areas of bare metal or new panels to ensure a strong bond of a top coat to the surface.

EQUIPMENT

VFI-1016 can be applied to surfaces by single-component spray equipment, rollers, brushes, or a wipe on process.

APPLICATION GUIDELINES

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CLEANUP

To clean application equipment before the material has cured, VFI recommends xylene or MEK.

STORAGE/SHELF LIFE

The material must be stored in a clean, dry building between 60°F - 90°F. The shelf life of unopened containers is 12 months from the date of manufacture.

PRECAUTIONS

The primed surface should not be exposed to any chemicals other than an approved topcoat. It is highly flammable as a liquid or vapor and contains VOCs over the EPA-regulated amount at 840 g/L. It contains solvents that require adequate ventilation during application. Avoid prolonged breathing of vapors and repeated skin contact. An approved respirator is required during spray application as inhalation of particulate matter must be avoided. Do not thin or add foreign material to the product. See Safety Data Sheet for complete information on safety procedures and necessary personal protective equipment.

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