

INDUSTRIAL MAINTENANCE

SET7000 is a fast-dry DTM primer for mobile equipment and industrial maintenance where there is exterior exposure of metal structures and structural components. Designed for application on properly prepared surfaces in mild to moderate industrial environments. Ideal for use on equipment, machinery and other areas when minimal downtime is required.

Recommended For:

- Structural Steel
- Trailer and Fleet
- Equipment Manufacturers
- Wrought and Ornamental Iron

Features:

- High Hiding
- Outstanding Flow and Leveling
- Quick-Dry Single Pkg.
- Exterior Uses

FOR INDUSTRIAL USE ONLY

Surface Preparation: Surface should be clean and free of all surface contamination, using SET500 or similar cleaner. Treat aluminum with a commercial etching solution. For light rust, treat with SET400, a rust convertor. For heavily rusted areas, use abrasive blasting. For already painted surfaces, sand using 320 grit (dry) or 400 grit (wet).

Recommended Topcoats:

Use SET1600 Water- Reducible.

Colors:

White, Gray and Red Oxide

Shipping Weight:

(approximate due to color, fill level and pigment)

SET700: 1 Gal–11.5 lbs. / 5 Gal–57.5 lbs.

APPLICATION DATA

Optional Enhancers:

- *SET1600 Accelerator when temperature is below 60°F (15°C)
 - *SET1600 Retarder (when temperature is above 90°F (32°C))
- *Addition of accelerator or retarder may result in a non-compliant ready to spray VOC. Verify local regulations prior to use.

Wet Film Thickness:

4–6 mils per coat

Dry Film Thickness:

2–3 mils per coat

Pot Life @ 77°F (25°C):

Not applicable

EQUIPMENT:

Apply by Air-Assisted Airless or HVLP:

Air pressure not to exceed 10 psi at the air cap.

HVLP:

45–60 psi at the gun
1.4 mm or equivalent

AA Airless:

60 psi at the gun
Recommended liquid pressure is 2100–3300 psi with a tip size from 411–517.

Roller:

Shed-Resistant 1/4" nap roller

Brush:

Nylon polyester (for field repair only)

MIXING AND THINNING:

Do not overthin! For airless equipment no reduction is necessary. For pressure pot conventional or electrostatic guns, reduce 10% (12 oz. per gal.). Use 5–10 lb. pot pressure for adequate paint flow rate and adjust atomizing air to get proper fan width and particle size. If you don't get a good fan pattern, add more water, a little at a time. Viscosity drops very fast and overreduction will cause sagging. For HVLP, a little more reduction may be necessary, perhaps as much as 10% (3 oz. per quart). Always thin after adding hardener or accelerator.

With Water:	SET7000	:	Water
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Overthinning will cause sagging.

CURE SCHEDULE @ 77°F (25°C):

Between Coats	15 minutes
Tack Free	25 minutes
Drying Time	1.5 hours
Curing Time	3 days
Recoat	45 minutes minimum 3 days maximum (degloss and recoat)

STORAGE CONDITIONS:

Store indoors @ 40°F–110°F (4.4°C–43.3°C)

CHEMICAL RESISTANCE

Although SET7000 exhibits resistance to these environments, this list is not meant to imply an express guarantee in actual service. It is recommended that the user contact Surface Engineered Technologies (SET) for specific recommendations when severe exposure is expected.

WATER

INDUSTRIAL FALLOUT

OILS

ABRASIONS

PHYSICAL PROPERTIES

PROPERTY	VALUE*
Finish	Flat
% Solids by Volume	40% ± 2%
% Solids by Weight	60% ± 2%
Theoretical Coverage @ 1 mil	655 sq. ft. per gallon, depending on color <i>The actual coverage will be less depending on application techniques, job conditions and type of surface to be coated.</i>
Viscosity at 77°F (25°C)	94–98 KU
VOC Actual	147 g/L / 1.24 lbs./gal.
VOC Regulatory	250 g/L / 2.09 lbs./gal.
Flash Point	135°F (57°C)
Weight of Volatiles	39.2% ± 2%
Weight of Exempt	28.9% ± 2%
Volume of Exempt	43.8% ± 2%
Shelf Life (when kept at the recommended storage conditions and in original, unopened containers)	6–8 months @ 77°F (25°C)
Pigment Type	Oxides
Solvent Type	Glycol-Ether
Vehicle Type	Water-Reducible Alkyd

***Values listed will be color dependent**

SAFETY

Read Safety Data Sheets and container label cautions and warnings for important safety and health information prior to use. KEEP OUT OF REACH OF CHILDREN.

Ventilation: When using in enclosed areas, adequate air circulation must be used during and after application until the coating is fully cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents being used. If the user is not sure or not able to monitor the levels, then use an approved (MSHA/NIOSH) respirator.

Caution: This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment/installations should be grounded in accordance with the National Fire Protection Association’s (NFPA 70®)/National Electric Code® (NEC®). In areas where potential explosion hazards exist, personnel should be required to use non-ferrous tools and wear conductive, non-sparking shoes.

DISCLAIMER

At the time of publication, the product and technical data contained herein is believed to be accurate by Surface Engineered Technologies (SET). SET is committed to the continual improvement of its coatings, which may cause future product/technical data to change without prior notice. Our products are intended for use by properly trained personnel in industrial applications. Product performance will depend upon surface preparation, technique, method of application, surface to be coated and environmental conditions. However, there is no guarantee of comprehensiveness, accuracy or product performance given or implied herein. SET recommends that products be tested regarding these parameters prior to final use. **Always refer to the current Safety Data Sheet before use.**

WARRANTY: Surface Engineered Technologies (SET) warrants its products to be free of defects in materials and workmanship. Since SET has no control over surface preparation or application methods, no guarantee concerning results is offered, expressed, or implied. If this product is found to be defective, liability shall be limited to the refund of purchase price or replacement of product.

