



TowerPlex Acrylic Bonding Primer

Product Profile

A 100% pure acrylic emulsion maintenance/shop primer that develops barrier corrosion resistance, normally associated only with solvent-borne primers. This primer offers excellent adhesion to various substrates such as structural steel, aluminum, galvanize, concrete, masonry, and wood.

Technical Data

Finish: Low Sheen

Drying Time:

Temperature	To Touch	To Recoat
75° F / 55% R.H.	1 Hour	2 Hours

(Cooler temperatures and higher humidity will lengthen drying time)

Architectural and Industrial Maintenance Category:

Primers and Undercoaters

Maximum Allowable V.O.C.:

2.9 lbs./gal. (350 g/l)

Actual V.O.C.:

.54 lbs./gal. (65 g/l) (1.22 lbs./gal. minus water+exempt materials) varies by color

Theoretical Coverage:

656 sq. ft./gallon @ 1 mil dry, assuming no application loss. Coverage will vary depending on color, the surface texture and application technique.

Storage Temperature:

Minimum 35° F / Maximum 110° F

Chemical Resistance:

Alkalis: Excellent | Acids: Moderate | Water: Excellent

Finish Coats:

Typical topcoats include aviation coatings such CC2919 Aviation White and CC2920 Aviation Orange.

Surface Preparation

Apply only over clean, dry and properly cured surfaces that are free of cutting solutions, form release agents, dirt, loose foreign matter and moisture. On structural steel, the substrate shall be thoroughly degreased in accordance with SSPC-SP1 standards. All burrs should be removed and sharp edges or rough weld seams should be ground down. All rust and mill scale should be removed as required by SSPC-SP6 surface preparation (minimum). For bridge construction, SSPC-SP5 is recommended.

Application

Mixing:

Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning:

Thin with water.

Surface Temperature:

Minimum 50 F / Maximum 90 F

Application Equipment:

Airless Spray

- Pressure: 1800-2400 psi

- Tip: .015"-.019"

Conventional Spray

- Air Pressure: 60-80 psi

- Fluid Pressure: 10-20 psi

Cleanup: Use soap and water. Spray equipment should be flushed with solvent after cleaning to prevent rusting. Do not allow paint to dry or harden inside equipment.

Application Considerations:

Spray recommended. Do not apply when overnight freeze, rain or dew is forecast. NOTE: During Conditions of high humidity or moist air, allow for a much longer cure time. Warm air, moving over the substrate, will promote drying and improve cure time when less than optimum application conditions exist. When applying this coating by roller application, extra attention to detail is necessary to avoid pinholes. Regardless of application method or technique, the coating must be uniformly applied at a minimum 1.5-2.0 mils dry to avoid pin holes, thin or missed areas.

Limited Warranty

The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to manufacturer quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, manufacturer does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of manufacturer to the buyer or user of this product is limited to the purchaser's cost of the product itself.

CAUTION Use only with adequate ventilation. To avoid over-exposure to solvent or spray mist, open doors windows or use other means to provide positive airflow and ventilation during application and drying time. If dizziness, eye watering, or headaches occur, increase fresh air, wear approved respirator (MSHA, NIOSH, or OSHA approved), or leave area. Avoid contact with eyes or skin. Wash hands after using. Keep container closed when not in use. Do not transfer the contents to other containers for storage. **FIRST AID:** in case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, get medical attention immediately.

Keep Out of Reach of Children

Do Not Allow To Freeze