



TECHNICAL DATA SHEET

Product Name:	Metal-Tec Direct To Metal Paint
Description:	Metal-Tec is a high-performance direct to metal paint formulated specifically for aluminum, galvanized steel, Galvalume®, copper, zinc, and stainless steel. This direct to metal has superior adhesion, rust-inhibitive protection, color retention, and gloss durability.
Suggested Uses:	For use on metal fences, railings, doors and garage doors made of aluminum, galvanized/Galvalume®, copper, zinc, stainless—in residential, commercial, or industrial settings. Withstands direct weather, UV, and high humidity; ideal for restoration/maintenance. Apply direct-to-metal on sound, cleaned surfaces or over compatible DTM primers.
Colors:	White and Base Colors for over 3000 Custom Colors.
Finish:	Satin, Semi-Gloss
Vehicle Type:	Acrylic
Solvent Type:	Water
VOC:	<50 gm/l
Flash Point:	Non-Flammable
Weight Per Gallon:	9.3 Pounds
Recommended Dry Time:	At 70 F and 50% relative humidity: Touch – 1 Hour , Recoat – 2-4 hours. Dry times may vary depending on air temperature, wind, and humidity.
Coverage:	Coverage will vary with surface porosity; when spraying, expect 350–400 sq. ft. per gallon.

- Surface Preparation:** All surfaces must be clean, dry, and free of dust, oil, grease, mildew, rust, loose paint, and other contaminants.
- Aluminum:** Clean with solvent and hand tools at minimum; for best results, blast clean. Prime the same day.
- Galvanized Steel:** Solvent clean, then pre-treat with an etching solution. Brush blast if passivated; remove rust and prime same day.
- Galvalume:** Clean thoroughly, repair damaged primer, and confirm compatibility of shop and field coatings.
- Copper:** Solvent clean and prime same day.
- Zinc:** Sand smooth, remove dust, and ensure compounds are dry before priming.
- Stainless Steel:** Sand or clean to open pores; treat mildew; fill, caulk, and sand smooth before painting.
- Previously Painted:** Allow 30 days cure ($\text{pH} \leq 10$). For earlier coating, cure 7 days and prime with alkali-resistant primer.

Application: Apply with a high-quality nylon/polyester brush, 3/16" woven roller, paint pad, or spray equipment. Maintain a wet edge during application, as the product dries quickly. Rinse brushes with warm water during extended use. Two coats are recommended for maximum durability.

Spray Application:

Airless: Use a fine-finish tip (.015"–.019") at 1500–2000 psi. Handle spray equipment carefully and follow all manufacturer's safety instructions, as high-pressure injection can cause serious injury.

Conventional/HVLP: No thinning required for airless spray. If needed, thin up to 5–10% (12 oz./355 mL per gallon) with clean water for conventional, HVLP, or brush applications.

**Limitations
/Precautions:**

Apply when air, surface, and product temperatures are 50–90°F and at least 5°F above dew point. Maintain these conditions for 24 hours after application. Avoid direct sun, hot surfaces, late-day application, or if rain is expected within 48 hours. Not for use on roofs, garage floors, horizontal exterior surfaces with standing water, continuously wet areas (pools, tubs, sinks), flexible materials, large wood structures, or home exteriors. Protect from freezing. Wait 7 days before cleaning with a mild, non-abrasive cleanser..