



METALLIC CLEARCOAT 1079-0763

PRODUCT PROFILE

GENERIC DESCRIPTION Aliphatic Acrylic Polyurethane

COMMON USAGE A unique clear coat used to both enhance the finish and extend the long-term weathering qualities of metallic pigmented coatings. Resists most graffiti markings. Where VOC regulations apply, this product can only be sold or used as part of a faux finishing coating system.

COLORS Clear

FINISH Satin

PERFORMANCE CRITERIA Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

BASE COATS Series 1077, 1078. **Note:** Series 1079-0763 Metallic Clearcoat should be applied within 24 hours of a previous Series 1079-0763 or Series 1078 application and within 21 days of a 1077 application.

SURFACE PREPARATION

ALL SURFACES Prepare by method suitable for exposure and service. (See Primer Product Data Sheet for surface preparation recommendations.)
Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 57% ± 2.0% (mixed)

RECOMMENDED DFT 1.0 to 2.0 mils (25 to 50 microns) per coat.

CURING TIME

Temperature	To Touch	To Handle	Minimum To Recoat	Maximum To Recoat †
75°F (24°C)	1-2 hours	7-8 hours	8 hours	24 hours

To resist moisture condensation: 6 hours
Curing time varies with surface temperature, air movement, humidity and film thickness.
† If exceeded, scarify before applying an additional coat.

VOLATILE ORGANIC COMPOUNDS

Unthinned: 1.98 lbs/gallon (237 grams/litre)
Thinned 5% (No. 49 Thinner): 1.98 lbs/gallon (237 grams/litre)
Thinned 5% (No. 2 Thinner): 2.29 lbs/gallon (274 grams/litre)
Thinned 10% (No. 2 Thinner): 2.56 lbs/gallon (307 grams/litre)

THEORETICAL COVERAGE 914 mil sq ft/gal (22.4 m²/L at 25 microns). See APPLICATION for coverage rates.

NUMBER OF COMPONENTS Three: Part A, Part B and Part C

MIXING RATIO By volume: Four (Part A) to one (Part B) Part C: See note under Mixing

PACKAGING Small Kit: Consists of a one-gallon can of Part A, a quart can of Part B, an 8 oz bottle of Part C. When mixed yields 1.31 gallons.

NET WEIGHT PER GALLON 8.85 ± 0.25 lbs (4.02 ± .11 kg) (mixed)

STORAGE TEMPERATURE Minimum 20°F (-7°C) Maximum 110°F (43°C)

TEMPERATURE RESISTANCE (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHELF LIFE Parts A, B & C: 12 months at recommended storage temperature.

FLASH POINT - SETA Part A: 65°F (18°C) Part B: 78°F (25°C) Part C: 88°F (31°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

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APPLICATION

COVERAGE RATES

	Dry Mills (Microns)	Wet Mills (Microns)	Sq Ft/Kit (m ² /Kit) Small Kit
Suggested	1.5 (40)	2.5 (65)	798 (74)
Minimum	1.0 (25)	1.5 (40)	1197 (111)
Maximum	2.0 (50)	3.0 (75)	598 (55)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thickness may adversely affect coating performance.

MIXING

Note: Add Part C Accelerator according to the following chart:

Temperature Range	Amount of Part C
40°F to 70°F (4°C to 21°C)	Full amount (8 oz or 235 mL per mixed gal)
70°F to 80°F (21°C to 27°C)	50% of amount (4 oz or 120 mL per mixed gal)
Above 80°F (27°C)	25% of amount (2 oz or 60 mL per mixed gal)

Pour Part A into a clean container large enough to hold all three components. Add Part C Accelerator to Part A while under agitation. Mix thoroughly. Add Part B to the mixture of Parts A, C while under agitation. Continue agitation until all components are thoroughly mixed. **Important:** Mixing ratio is four (Part A) to one (Part B) by volume.

THINNING

Use No. 49 or No. 2 Thinner. For air spray, thin up to 10% per gallon. For roller, thin up to 5% per gallon. **Caution: Do not add thinner if more than thirty (30) minutes have elapsed after mixing.**

POT LIFE

2 hours at 77°F (25°C) 30 minutes at 100°F (38°C)
Note: See chart at the beginning of Mixing instructions.

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss MBC or JGA	E	765 or 704	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	70-90 psi (4.8-6.2 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure. Proper atomization is necessary to obtain a smooth finish. **Airless Spray:** Not recommended.

Roller: Use a 1/4" (6.4 mm) synthetic woven nap cover. Do not use medium or long nap roller covers.

Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 120°F (49°C)
 The surface should be dry and at least 5°F (3°C) above the dew point.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or xylol.

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