



# METALLIC CLEARCOAT 1079-0762 & 63

## 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** 1079-0762: Semi-Gloss 1079-0763: 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 Metallic Clearcoat should be applied within 21 days of a Series 1077 or 1078 application.

## SURFACE PREPARATION

**ALL SURFACES** Prepare by method suitable for exposure and service.  
Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

**VOLUME SOLIDS** 62.0 ± 2.0% (mixed)

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

**CURING TIME**

Temperature	To Touch	To Handle	To Recoat	Maximum To Recoat †
75°F (24°C)	1-2 hours	2-3 hours	3 hours	72 hours

To resist moisture condensation: 3 hours  
Curing time varies with surface temperature, air movement, humidity and film thickness.  
† If exceeded, scarify before applying an additional coat.

## VOLITILE ORGANIC COMPOUNDS

**1079-0762**  
**Unthinned:** 2.60 lbs/gallon (312 grams/litre)  
**Thinned 7%:** 2.90 lbs/gallon (348 grams/litre)  
**Thinned 10%:** 3.02 lbs/gallon (362 grams/litre)

**1079-0763**  
**Unthinned:** 2.66 lbs/gallon (318 grams/litre)  
**Thinned 6%:** 2.92 lbs/gallon (349 grams/litre)  
**Thinned 10%:** 3.07 lbs/gallon (368 grams/litre)

**THEORETICAL COVERAGE** 944 mil sq ft/gal (24.4 m<sup>2</sup>/L at 25 microns). See APPLICATION for coverage rates.

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

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

**PACKAGING** Large Kit: Consists of partially filled five-gallon can of Part A, one-gallon can of Part B and a one-quart plastic bottle of Part C. When mixed yields 4.25 gallons (16.09L).  
Small Kit: Consists of a partially filled one-gallon can of Part A, a quart can of Part B and an eight-ounce plastic bottle of Part C. When mixed yields 1.06 gallons (4.01L).

**NET WEIGHT PER GALLON** 9.10 ± 0.25 lbs (4.13 ± .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: 110°F (43°C) Part B: 130°F (54°C) Part C: 102°F (39°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 Mils (Microns)	Wet Mils (Microns)	Sq Ft/Kit (m <sup>2</sup> /Kit) Large Kit	Sq Ft/Kit (m <sup>2</sup> /Kit) Small Kit
Suggested	1.5 (40)	2.5 (65)	2818 (261.8)	703 (65.3)
Minimum	1.0 (25)	1.5 (40)	4227 (392.7)	1054 (97.9)
Maximum	2.0 (50)	3.0 (75)	2113 (196.3)	527 (49.0)

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)

Large Kit: Add Part C Accelerator to Part A while under agitation. Mix thoroughly. Add Part B to the mixture of Part A and Part C while under agitation. Continue agitation until all three components are thoroughly mixed. **Important:** Mixing ratio is three (Part A) to one (Part B) by volume.

**THINNING**

Normally no thinning is required. Can be thinned up to 10% or 3/4 pint (380 mL) per gallon with No. 2 Thinner for air spray or No. 39 Thinner for roller. To comply with faux finishing VOC regulations, maximum thinning for 1079-0762 is 7%; maximum thinning for 1079-0763 is 6%. **Caution: Do not add thinner if more than thirty (30) minutes have elapsed after mixing.**

**POT LIFE**

2 hours at 77°F (25°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	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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