



PRODUCT PROFILE

GENERIC DESCRIPTION Modified Waterborne Acrylate

COMMON USAGE Flexible, breathable coating primarily for concrete and masonry that can fill and bridge minor hairline cracks. Excellent elastomeric protection against driving rain, alternate freezing-thawing and UV light. Series 156 can also be used as a low cohesive stress overcoat for aged oil or alkyd systems.

COLORS Refer to Tnemec Color Guide. Series 156 is also available in 01AB Air Barrier Beige.

FINISH Matte — Series 156: Smooth; Series 157: Sand Texture (TX)

SPECIAL QUALIFICATIONS Series 156 meets air barrier (A.B.) requirements of Massachusetts' Energy Code, 780 CMR Chapter 13.

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

COATING SYSTEM

PRIMERS **Concrete, Masonry and Wood:** Self-priming or Series 151-1051, 287
Plaster and Stucco: Series 151-1051, 287
Split-Face and Split-Fluted Block: Self-priming or Series 130-6602
Steel: Series 37H, 66, N69, N69F, L69, L69F, 90-97, 94-H₂O, 135, L140, L140F
Galvanized Steel & Non-Ferrous Metal: Series 66, L69, L69F, N69, N69F, 135
Other: Series 151 on treated or stained wood, drywall, highly absorbent surfaces and recommended sound existing coatings.

SURFACE PREPARATION

STEEL Refer to primer product data sheets for surface preparation recommendations.

GALVANIZED STEEL & NON-FERROUS METAL Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services.

CRACKS Fill hairline cracks less than 1/64 inch (.4 mm) wide by brushing Series 156 into them prior to applying Series 156 or 157 over the entire area to be coated. Most business cards are about 1/64 inch (.4 mm) thick. For cracks wider than 1/64 inch (.4 mm) and/or moving cracks, gaps and expansion joints use Series 152 Tnemec-Tape. Refer to Series 152 product data sheet for details. **Note:** Use Series 156 to embed Tnemec-Tape prior to topcoating with either 156 or 157.

PAINTED SURFACES Remove chalk and old paint not tightly bonded to the surface. Apply test patch to check adhesion.

ALL SURFACES Must be clean, dry and free of oil, grease, form release agents and other contaminants. Allow new concrete, plaster, stucco and masonry to cure 14 days. Level protrusions and mortar spatter. Bare cementitious surfaces can be slightly dampened with clean water if product is drying too rapidly during application. Series 151 may improve adhesion on smooth surfaces. Reference SSPC-SP13/NACE 6.

TECHNICAL DATA

VOLUME SOLIDS Series 156: 50.9 ± 2.0% Series 157: 55.5 ± 2.0% †

RECOMMENDED DFT Series 156: 4.0 to 8.0 mils (100 to 205 microns) per coat. Series 157: 6.0 to 9.0 mils (150 to 230 microns) per coat.

CURING TIME

Temperature	To Touch	To Handle	To Recoat
75°F (24°C) 50% Relative Humidity	1/2 hour	1-2 hours	1 1/4 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS

Unthinned - Series 156: 0.41 lbs/gallon (49 grams/litre)
 Series 157: 0.38 lbs/gallon (45 grams/litre) †

THEORETICAL COVERAGE

Series 156: 816 mil sq ft/gal (19.9 m²/L at 25 microns). Series 157: 890 mil sq ft/gal (21.8 m²/L at 25 microns). Actual coverage will vary from about 100 to 200 sq ft (9.3 to 18.6 m²) per gallon dependent upon product, substrate and coating thickness. †

NUMBER OF COMPONENTS

One

PACKAGING

Series 156: 5 gallon (18.9L) pails and 1 gallon (3.79L) cans. Yield: 5 gallons and 1 gallon respectively.
 Series 157: 5 gallons (18.9L) in a 6-gallon pail and 1 gallon (3.79L) in a 3-gallon pail. Yield: 5 gallons and 1 gallon respectively.

NET WEIGHT PER GALLON

Series 156: 11.77 ± 0.25 lbs (5.34 ± .23 kg) Series 157: 13.1 ± 0.25 lbs (5.94 ± .23 kg) †

STORAGE TEMPERATURE

Minimum 35°F (2°C) Maximum 110°F (43°C)

TEMPERATURE RESISTANCE

(Dry) Continuous 175°F (79°C) Intermittent 185°F (85°C)

SHELF LIFE

12 months at recommended storage temperature.

FLASH POINT - SETA

N/A

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.

ENVIRO-CRETE® | 156 & 157

APPLICATION

COVERAGE RATES

Series 156

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	6.0 (150)	12.0 (305)	136 (12.6)
Minimum	4.0 (100)	8.0 (205)	204 (18.9)
Maximum	8.0 (205)	16.0 (405)	102 (9.5)

Series 157

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	8.0 (205)	14.5 (370)	111 (10.3)
Minimum	6.0 (150)	11.0 (280)	148 (13.8)
Maximum	9.0 (230)	16.0 (405)	99 (9.2)

Allow for application losses and surface irregularities. Roller or brush application may require multiple coats to obtain recommended film thickness. *Important: Protection against weather, driving rain and alternate freezing and thawing is obtained when coating is applied to form a continuous, void-free film.* The coating must be brushed, rolled or sprayed and backrolled onto block. Grooves in scored and fluted block must be brushed. Two coats are normally recommended for lightweight or haydite block. Split-face and split-fluted block must be filled. Contact your Tnemec representative for specific coating system recommendations. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Film thicknesses are calculated from the sq ft/gal figures. There is no method for accurately measuring the film thicknesses of this coating applied over a rough masonry substrate. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

**MIXING
THINNING**

Stir contents to a uniform consistency.

Not recommended except when priming highly porous surfaces. Thin first coat 30% or 1 1/4 quarts (1.1L) per gallon with potable water.

APPLICATION EQUIPMENT

Series 157 Air Spray

Gun	Fluid Nozzle	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pump*	Fluid Pressure
Graco 204-000	167-330	160-321	3/8" min. (9.5 mm)	1/2" min. (12.7 mm)	40-60 psi (2.8-4.2 bar)	10:1 President Texture Pump	150-300 psi (10.3-20.7 bar)
Binks 7E2	45	1/4" (6.4 mm)	3/8" min. (9.5 mm)	1/2" min. (12.7 mm)	50-70 psi (3.4-4.8 bar)	HF-1200	150-300 psi (10.3-20.7 bar)

* Series 157 is an abrasive material. Short life of fluid section of pumps should be expected. Pump can be replaced with bottom outlet pressure tank such as Binks No. 83-5562 or larger. Adjust pot pressure to 30-40 psi (2.1-2.8 bar).

Series 156 Airless Spray

Pump	Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
Graco 35:1 Senator or larger	0.019"-0.029" (480-735 microns)	2500-3000 psi (172-207 bar)	3/8" (9.5 mm)	30 mesh (600 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

Roller: Use a 3/8" to 1-1/2" (9.5 mm to 38 mm) synthetic woven nap roller cover. Use longer nap for rough or porous surfaces. Multiple coats may be required to achieve recommended film thickness, depending on applicator technique and roller nap size.

Brush: Use a good quality nylon or synthetic bristle brush.

Caution: Do not brush and roll Enviro-Crete TX as you would conventional coatings. Instead, use the brush or roller to lay on the Enviro-Crete TX, then lightly smooth down and dress in one direction only. Multi-directional application will cause poor appearance and overworking will cause improper, non-uniform film thickness.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 100°F (38°C)
The surface should be dry and at least 5°F (3°C) above the dew point.

CLEANUP

- Clean equipment immediately after use; brushes and rollers with hot, soapy water; spray equipment as follows:
1. Pump out excess material from equipment and lines.
 2. Pump 10 gallons (40L) of clean water through airless pump or conventional pressure tank and lines.
 3. Release pressure from pump or pressure tank and clean all parts and surfaces.
 4. Reassemble and flush with clean water. Finish with a final flush of ethyl or isopropyl alcohol.

CAUTION

Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work, weather conditions, equipment adjustment and proper thinning. Test for each application as follows: Spray from 15 to 25 feet towards paint container. The material then should readily wipe off. **Note:** Heat can fuse-dry overspray to surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that exterior surface temperatures can be higher than air temperature. Also, Series 156 has a tendency to show lap marks when spray applied to large, flat surfaces during hot weather. To minimize lap marks stay away from direct sunlight, pre-wet masonry substrates by misting with clean water and lightly backroll with 3/8" nap rollers immediately behind spray application.

† Values may vary with color.

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