



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 — Smooth
SPECIAL QUALIFICATIONS	Series 156 was tested in accordance with, and passed, the California Dept. of Public Health (CDPH) Standard Method v1.2 and meets the requirements of LEED v4.1 Low-Emitting Materials, Collaborative for High Performance Schools-Paints & Coatings, Living Building Challenge Materials Petal 10, and WELL Building Standard v2 X06 VOC Restrictions. Series 156 meets air barrier (A.B.) requirements of Massachusetts' Energy Code, 780 CMR Chapter 13.

COATING SYSTEM

PRIMERS	Concrete, Masonry and Wood: Self-priming or Series 151-1051 Plaster and Stucco: Series 151-1051 Split-Face and Split-Fluted Block: Self-priming or Series 130-6602, 1254 Steel: Series 37H, 66, N69, N69F, L69, L69F, V69, V69F, 90-97, H90-97, 90G-1K97, 93-H ₂ O, 94-H ₂ O, 135, L140, L140F Galvanized Steel & Non-Ferrous Metal: Series 66, L69, N69, V69, 115, V115, 135, 1224. Note: For special galvanized surface preparation instructions, consult the latest version of Tnemec Technical Bulletin 10-78. Other: Series 151 on treated or stained wood, drywall, highly absorbent surfaces and recommended sound existing coatings.
TOPCOATS	Series 156, 180, 1061. Note: When topcoating with Series 1061, the maximum recoat window is 21 days.

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 over the entire area to be coated. For cracks wider than 1/64 inch (.4 mm) and/or moving cracks, gaps and expansion joints use Series 152 Tneme-Tape. Refer to Series 152 product data sheet for details. Note: Use Series 156 to embed Tneme-Tape prior to topcoating with 156.
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	51 ± 2% †
RECOMMENDED DFT	4.0 to 8.0 mils (100 to 205 microns) per coat.

CURING TIME

Temperature	To Touch	To Resist Rain & Moisture	To Handle	To Recoat
75°F (24°C) 50% Relative Humidity	30 minutes	30 minutes	1-2 hours	1 1/4 hours

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

VOLATILE ORGANIC COMPOUNDS	Unthinned: 0.41 lbs/gallon (49 grams/litre) †
HAPS	0.20 lbs/gallon solids
THEORETICAL COVERAGE	819 mil sq ft/gal (20.1 m ² /L at 25 microns). Actual coverage will vary from about 100 to 200 sq ft (9.3 to 18.6 m ²) per gallon dependent upon product, substrate and coating thickness. †
NUMBER OF COMPONENTS	One
PACKAGING	5 gallon (18.9L) pails and 1 gallon (3.79L) cans. Yield: 5 gallons and 1 gallon respectively.
NET WEIGHT PER GALLON	12.26 ± 0.25 lbs (5.56 ± 0.11 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	24 months at recommended storage temperature.
FLASH POINT - SETA	+230°F (+110°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.

ENVIRO-CRETE® | SERIES 156

APPLICATION

COVERAGE RATES

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	6.0 (150)	11.5 (300)	137 (12.7)
Minimum	4.0 (100)	8.0 (200)	205 (19.0)
Maximum	8.0 (205)	15.5 (400)	102 (9.5)

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

Stir contents to a uniform consistency.

THINNING

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

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.

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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