



PRODUCT PROFILE

GENERIC DESCRIPTION Specialized Waterborne Acrylate

COMMON USAGE A durable coating specially formulated to resist mildew growth on the paint film. Permeable and flexible, it's capable of bridging cracks and can withstand minor substrate movement, frequent scrubbing and cleaning.

COLORS Refer to Tnemec Color Guide.

FINISH Matte

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

COATING SYSTEM

PRIMERS **Dense Concrete, Masonry, Brick, Plaster, Most Drywall and Wood:** Series 151-1051
Porous Concrete and CMU: Series 130 or 1254, followed by 151-1051
Steel, Aluminum and Galvanized Steel: Series 66, L69, L69F, N69, N69F, V69, V69F, 135, 161

SURFACE PREPARATION

STEEL SSPC-SP6

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

NEW CONCRETE & CMU Allow to cure 14 days. Level protrusions and mortar spatter.

CRACKS Fill hairline cracks less than 1/64 inch (.4 mm) wide by brushing Series 158 into them prior to applying Series 158 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.

WOOD Remove rosin deposits by SSPC-SP1. All cracks, fastening holes and surface defects should be filled and sanded to a smooth finish.

PAINTED SURFACES Apply test patch to check adhesion. Remove loose paint and spot prime.

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 47.0 ± 2.0% †

RECOMMENDED DFT 5.5 to 7.5 mils (140 to 190 microns) per coat.
 Always apply two coats for a total thickness of 13.0 mils (330 microns) minimum.

CURING TIME

Temperature	To Touch	To Recoat
75°F (24°C) 50% Relative Humidity	1 hour	3 hours

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

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.42 lbs/gallon (49 grams/litre) †

THEORETICAL COVERAGE 754 mil sq ft/gal (18.5 m²/L at 25 microns). Coverage will vary from about 100 to 140 sq ft (9.3 to 13.0 m²) per gallon dependent upon substrate and coating thickness. †

NUMBER OF COMPONENTS One

PACKAGING 5 gallon (18.9L) pails and 1 gallon (3.79L) cans.

NET WEIGHT PER GALLON 11.73 ± 0.25 lbs (5.32 ± .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 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.

BIO-LASTIC® | SERIES 158

APPLICATION

COVERAGE RATES

	Dry MILS (Microns)	Wet MILS (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	6.5 (165)	14.0 (355)	116 (10.8)
Minimum	5.5 (140)	11.5 (290)	137 (12.7)
Maximum	7.5 (190)	16.0 (405)	100 (9.3)

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 thicknesses may adversely affect coating performance. Always apply two coats for a total minimum dry film thickness of 13.0 mils (330 microns). Series 158 will not function properly at thicknesses below 13.0 mils (330 microns). †

MIXING

Stir contents to a uniform consistency.

THINNING

Not recommended.

APPLICATION EQUIPMENT

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.019"-0.029" (485-735 microns)	2500-3000 psi (172-207 bar)	3/8" (9.5 mm)	Remove or 30 mesh maximum (600 microns)

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

Roller: Not recommended other than for priming. An even film build of 158 is essential for successful performance.

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

Caution: Do not brush 158 as you would conventional coatings. Instead, use the brush to lay on the 158, then lightly smooth down in one direction. Overworking will cause poor appearance and improper, non-uniform film thickness. When applying the second coat, apply in a direction perpendicular to the direction of the first coat.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 90°F (32°C)

The surface should be dry and at least 5°F (3°C) above the dew point.

CLEANUP

Flush and clean equipment immediately after use; brushes and rollers with hot, soapy water; spray equipment as follows:

1. Pump out excess material.
2. Clean equipment by pumping through 5 to 10 gallons (20 to 40 L) of clean water.
3. Release pressure, remove surge chamber and manifold and mechanically clean.
4. Reassemble and pump clean water through until clear at gun nozzle.
5. To protect seals, flush equipment with ethyl alcohol or isopropyl alcohol.

† Values may vary with color.

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