



PRODUCT PROFILE

**GENERIC DESCRIPTION** Acrylic Emulsion

**COMMON USAGE** Industrial grade, matte finish, water-based coating with excellent color retention. Good overall protection for most interior/exterior surfaces in mild to moderately severe exposures. Application methods include "dry-fall" under certain conditions (see Application).

**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** **Steel:** Series 10, 37H, 90. Primers dry film thickness should be at least 2.0 mils (50 microns) above the peaks of the blast profile. (Reference SSPC-PA2). **Note:** If previous coats contain pinholes to bare steel, flash rusting may occur. Two coats of Series 10 or 37H are required under Series 6. When Series 90 or 37H is used as a primer, two coats of Series 6 are required as a topcoat.  
**Galvanized Steel:** Self-priming  
**CMU:** 54-562 or 130  
**Wood:** 36-603 or 151-1051  
**Self-priming** or 151-1051 on concrete, masonry, fiberboard and drywall.  
**Note:** Certain colors may require multiple coats depending on method of application and finish coat color. Preceding coat should be in the same color family but noticeably different.

SURFACE PREPARATION

**GALVANIZED STEEL** 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 for 28 days. Level protrusions and mortar spatter.

**DRYWALL** Sand joint compound smooth and feather edge.

**PAINTED SURFACES** Remove chalk and old paint not tightly bonded to the surface, patch cracks and spot prime bare areas. Dull glossy surfaces.

**ALL SURFACES** Must be clean, dry and free of oil, grease, sealers, form release agents and other contaminants.

TECHNICAL DATA

**VOLUME SOLIDS** 43.0 ± 2.0% †

**RECOMMENDED DFT** 2.0 to 3.0 mils (50 to 75 microns) per coat. **Note:** Number of coats required will vary depending on color, substrate (surface) and other variables. Contact your Tnemec representative.

CURING TIME

Temperature	To Touch	To Handle	To Recoat
75°F (24°C)	1/2 hour	2 hours	2 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.  
**Water Tank Exteriors:** Five days or more curing time required before filling with water.

VOLITILE ORGANIC COMPOUNDS

**Unthinned:** 1.44 lbs/gallon (172 grams/litre)  
**Thinned 5%:** 1.44 lbs/gallon (172 grams/litre) †

**THEORETICAL COVERAGE** 690 mil sq ft/gal (16.9 m<sup>2</sup>/L at 25 microns). See APPLICATION for coverage rates. †

NUMBER OF COMPONENTS

One

PACKAGING

55 gallon (208.2L) drums, 5 gallon (18.9L) pails and 1 gallon (3.79L) cans.

NET WEIGHT PER GALLON

11.82 ± 0.25 lbs (5.48 ± .11 kg) †

STORAGE TEMPERATURE

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

TEMPERATURE RESISTANCE

(Dry) Continuous 170°F (77°C) Intermittent 200°F (93°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.**

# TNEME-CRYL<sup>®</sup> | SERIES 6

**APPLICATION**

**COVERAGE RATES**

	Dry MILS (Microns)	Wet MILS (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Suggested	2.5 (65)	6.0 (150)	276 (25.6)
Minimum	2.0 (50)	4.5 (115)	345 (32.1)
Maximum	3.0 (75)	7.0 (180)	230 (21.4)

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. †

**MIXING**

Stir to uniform consistency without creating air bubbles or foam. Avoid vigorous agitation, boxing or shaking.

**THINNING**

Use clean water. For air spray, airless spray, roller or brush, thin up to 5% or 1/4 pint (190 mL) per gallon.

**APPLICATION EQUIPMENT**

**Air Spray**

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E•	704 or 765	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	60-80 psi (4.2-5.5 bar)	10-20 psi (0.7-1.4 bar)

(•Stainless Steel) Low temperatures or longer hoses require higher pot pressure.

**Airless Spray**

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.015"-0.019" (380-485 microns)	2700-3300 psi (186-207 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

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

**Note:** Application over inorganic zinc-rich primers: Apply a wet mist coat and allow tiny bubbles to form. When bubbles disappear in 1 to 2 minutes, apply a full wet coat at specified mil thickness.

**Roller:** Use high quality synthetic woven nap covers. Short nap for smooth surfaces. Long nap for rough surfaces. Wash roller covers in water to remove paint build-up during application.

**Brush:** Use high quality nylon or synthetic bristle brushes. Wash brushes in water to remove paint build-up during application.

**SURFACE TEMPERATURE**

Minimum 50°F (10°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 water.

**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. Low temperature and high humidity are of particular concern. 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.

† Values may vary with color.

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