

# TAMMOLASTIC

ELASTOMERIC, DECORATIVE COATING WITH MOLD & FUNGUS INHIBITORS

## DESCRIPTION

**TAMMOLASTIC** is a protective, decorative, flexible coating formulated from high performance elastomeric acrylic resins. TAMMOLASTIC contains mold and fungus inhibitors, freeze-thaw stabilizers, and mineral oxide color pigments which provide long term protection from severe weather, dirt, airborne pollutants while providing resistance to ultraviolet light degradation. TAMMOLASTIC is available in a smooth finish only.

## PRIMARY APPLICATIONS

- Vertical exterior or interior concrete
- Formed or precast concrete
- Masonry
- Stone
- Brick
- Cement plaster, stucco

## FEATURES/BENEFITS

- Repels water
- Enhances appearance
- Resistant to weathering over a long time
- Breathable film
- Excellent adhesion
- Bridges hairline cracks
- Resists the growth of mold & fungus
- ▲ Can contribute to LEED points

## TECHNICAL INFORMATION

### Material Properties @ 75°F (24°C)

**Weight** (gal/L) ..... 12.0 ± 2 lb (1.4kg)

**VOC Content** ..... < 50 g/l

**Viscosity** ..... 116-120 KU

**Solids** by weight ..... 65 to 70%

### Tensile Strength

ASTM D 412 psi (MPa) ..... 190 to 210 (1.31 to 1.45)

**Tensile Elongation**, % ..... 290 to 315

**Water Vapor Transmission** ASTM E 96

20 mils film ..... 10 to 11 perms

Mandrel Bend 1/8"(3.22 mm) **Criterion** **Result**

ASTM D 522 ..... 15°F (-26°C) passes

0°F (-18°C) passes

75°F (24°C) passes

**Weatherometer** ASTM G 26 ..... 6,000 hrs

No crazing, cracking, chipping or flaking. Light chalk and color change. No other deterioration

Values presented are typical and not necessarily referenced to create specifications.

**Appearance:** TAMMOLASTIC is available in many standard colors. Tint Bases are also available for universal colorant systems. Other manufacturers' colors are available upon request & subject to minimum order quantities. Available in smooth finish only. Contact your local Euclid Chemical representative for additional information.

### Carbon Dioxide Diffusion

Diffusion coefficient ..... 1.2 x 10<sup>-6</sup>cm<sup>2</sup> sec<sup>-1</sup>

Diffusion resistance coefficient ..... 145,000

Klopper criteria ..... passes

**Wind Driven Rain Resistance** TTC 555 B

Water penetration ..... none

Blister density/size ..... none

**Freeze Thaw Durability** ASTM C 666

300 cycles ..... 97.3%

**Scaling Resistance** ASTM C 672 25 cycles

Visual Rating ..... 0

Scaling Mass ..... none

**Salt Spray Resistance** Kentucky Method

300 hrs , 5% solution ..... no adhesion loss

@90°F(32°C) ..... ±2°F (±-17°C)

**Fungus Growth** Fed Test 141, Method 6271

28 Days ..... none

## PACKAGING

TAMMOLASTIC is packaged in 5 gal (18.9 L) pails, 30 gal (113.7 L) drums.

## SHELF LIFE

1 year in original, unopened package.

## SPECIFICATIONS/COMPLIANCES

Canadian MTQ



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## COVERAGE

Surface	ft <sup>2</sup> /gal (m <sup>2</sup> /L)		TAMMS H/P PRIMER	ft <sup>2</sup> /gal (m <sup>2</sup> /L)
	1st coat	2nd coat		
Textured	50 to 70 (1.23 to 1.72)	60 to 80 (1.47 to 1.96)	Porous Concrete	100 to 50 (2.45 to 3.68)
Smooth	60 to 80 (1.47 to 1.96)	80 to 100 (1.96 to 2.45)	Smooth Concrete	200 to 300 (4.91 to 5.33)
			<b>TAMMS MASONRY PRIMER</b>	40 to 80 (0.98 to 1.96)

**Note:** TAMMOLASTIC coverage rates are approximate and for estimating purposes only. Surface temperature, and texture will determine actual material requirements. Apply samples to all surfaces to be coated. Obtain approval of Architect or Owner for the color, finish, water repellency, and coverage before proceeding with work.

## DIRECTIONS FOR USE

**Surface Preparation:** Cure new concrete and masonry surfaces for 28 days. Surface must be structurally sound, clean, dry, and free of dust, dirt, oil, peeling paint, curing and form release compounds, and other contaminants. Provide an absorptive surface on smooth precast, formed concrete, and other substrates by mechanical abrasion. Defective concrete, honeycombs, cracks, cavities and other defects should be routed to sound concrete and patched using compatible materials. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2. **Priming:** TAMMS H/P PRIMER is used to prime new/old concrete. Use TAMMS MASONRY PRIMER on unpainted masonry block and similar porous surfaces.

**Mixing:** TAMMOLASTIC should be mixed mechanically using a low speed 3/4" (19mm) drill with a mixing paddle. Mix thoroughly to a uniform, lump free consistency. Do not aerate the mix.

**Application: Primer:** Airless spray equipment or paint rollers may be used to apply TAMMS H/P PRIMER. Apply the primer uniformly on the substrate. **Product:** TAMMOLASTIC may be applied 1 to 3 hours following primer application using spray, roller or brush. Spray TAMMOLASTIC using the "cross coat" technique of a horizontal pass followed by a vertical pass. Avoid applying excess causing the product to run down the wall or puddle. After application of the first coat, back rolling is required. The second coat can be applied after the first coat is dry, typically in 12 to 24 hours depending upon ambient conditions. Use rollers with a 1" to 1½" nap (25 to 38 mm), and dampen the brushes or rollers with clean water and shake out excess water before use. When using rollers, uniform millage is achieved by rolling the TAMMOLASTIC in one direction. **Do not backroll.** Apply the second coat of TAMMOLASTIC when the first coat is dry, usually in 12 to 24 hours.

## CLEAN-UP

Clean tools and application equipment immediately after use with soap and hot water. Clean overspray or drips while still wet with soap and hot water. Dried TAMMOLASTIC may require abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10°C to 32°C).
- Protect from freezing.
- Concrete must have cured at least 28 days prior to application.
- Do not thin or dilute TAMMOLASTIC.
- Do not apply if rain is forecast within 12 hours.
- Do not apply TAMMOLASTIC below 45°F (7°C) or above 90°F (32°C) or over frozen or frost-filled surfaces.
- Do not apply if weather conditions will not permit complete drying of TAMMOLASTIC before rain, dew or freezing temperatures occur.
- Do not apply TAMMOLASTIC to non-absorbent materials such as glass, metal, glazed brick, or glazed tile.
- Not recommended for traffic surfaces.
- Not designed for use on traffic bearing surfaces.
- In all cases, consult the Material Safety Data Sheet before use.

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