TAMMOLASTIC
ELASTOMERIC PROTECTIVE AND DECORATIVE COATING

DESCRIPTION
TAMMOLASTIC is a protective, decorative, flexible coating, formulated from high-performance elastomeric acrylic resins. It is designed to waterproof, bridge hairline cracks, and enhance the aesthetic appearance of concrete, stucco, and masonry surfaces. TAMMOLASTIC provides long-term protection from severe weather over a wide range of temperatures, dirt, airborne pollutants, and is resistant to ultraviolet light degradation and carbon dioxide. TAMMOLASTIC has superior adhesive, cohesive, and color retention characteristics.

PRIMARY APPLICATIONS
- Exterior and interior
- Concrete
- Precast panels
- Concrete masonry units
- Stone and brick
- Stucco

FEATURES/BENEFITS
- Repels water
- Excellent adhesion
- Protects from carbonation
- Provides mildew and fungus growth resistant coating
- Breathable
- Freeze-thaw stable
- Outstanding color retention
- Can contribute to LEED points

TECHNICAL INFORMATION
The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Material Properties @ 75°F (24°C)
- Weight/gal ...................... 12 ± 1.0 lbs (1.4 kg/L)
- Viscosity .................. 2,600-3,000 cp (116-122 ku)
- Solids Content (by weight) ............. 65 to 70%
- Tensile Strength, psi (MPa), ASTM D412
  @ 75°F (24°C) .............. 200 to 220 (1.38 to 1.52)
  @ 0°F (-18°C) ............... 550 to 650 (3.79 to 4.48)
- Tensile Elongation, %, ASTM D412
  @ 75°F (24°C) .............. 290 to 315
  @ 0°F (-18°C) ............... 90 to 110
- Water Permeability, ASTM E514
  Dampness shows ............. none
  First water shows .............. none
  Back of wall in 4 hrs .......... none
- Wind Driven Rain Resistance, TT-C 555B ... pass
- Water Vapor Transmission, ASTM E96
  20 mil film ....................... 11 perms

Weatherometer, ASTM G26
6,000 hrs ... no crazing, cracking, chipping, flaking

Carbon Dioxide Diffusion
Diffusion coefficient .... 1.2 x 10^-6 cm² sec-1
Diffusion resistance coefficient .... 145,000
Klopfer criteria .............. pass

Freeze Thaw Resistance, ASTM C666
300 cycles .................. 97.30%

Scaling Resistance, ASTM C672
Visual rating ...................... 0
25 cycles, scaling mass .......... none

Salt Spray Resistance, 5% solution
300 hrs .................. no adhesion loss @ 90°F ± 2°

Fungus Growth, FED TEST 141, Method 6271
28 days ...................... none

Impact Resistance, ASTM D2794 ...... no chipping

Flexibility, ASTM D522
1/8" mandrel .................. no chipping or breaking

Appearance: TAMMOLASTIC is available in 12 standard colors (Adobe, Custard, Sand, White, Gray, Cream, Pewter, Navajo, Summer, Pearl, Suede and Pueblo) and in tint bases for universal colorant systems. Custom colors are available with minimum quantity orders. Contact your local Euclid Chemical representative for further information.

PACKAGING
TAMMOLASTIC is packaged in 55 gal (208 L) drums and in 5 gal (18.9 L) pails.

SHELF LIFE
2 years in original, unopened container.
**Coverage**

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<th>1st Coat</th>
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<tbody>
<tr>
<td>TAMMMS H/P PRIMER</td>
<td>200 to 300 (4.91 to 7.36)</td>
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<td>Smooth surfaces</td>
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<tr>
<td>Porous surfaces</td>
<td>40 to 80 (0.98 to 1.96)</td>
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<tr>
<td>TAMMOLASTIC</td>
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<tr>
<td>Porous surfaces</td>
<td>50 to 70 (1.23 to 1.72)</td>
<td>60 to 80 (1.47 to 1.96)</td>
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<tr>
<td>Smooth surfaces</td>
<td>60 to 80 (1.47 to 1.96)</td>
<td>80 to 100 (1.96 to 2.45)</td>
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Note: TAMMOLASTIC coverage rates are approximate and are for estimating purposes only. Surface temperature, porosity, 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. Retain sample or mock-up through completion of project.

**Directions for Use**

**Surface Preparation:** Cure new concrete and masonry surfaces 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 abrading the surface. Defects of concrete and other surface defects should be routed to sound material and patched using compatible restoration products.

**Priming:** All surfaces to be coated with TAMMOLASTIC must be primed. For concrete surfaces, prime with TAMMMS H/P Primer. For highly porous concrete block, prime with TAMMSONEY PRIMER.

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

**Application:** TAMMMS H/P PRIMER: Use airless spray equipment with 0.017 to 0.021 inch (0.43 to 0.53 mm) orifice size spray tips, or paint rollers to apply TAMMMS H/P PRIMER. TAMMOLASTIC may be applied to the TAMMMS H/P PRIMER as soon as it is dry to the touch. TAMMSONEY PRIMER: Use heavy-duty spray equipment capable of spraying ceiling texture, plaster, or cement-based coatings, or use stiff brushes or 1-1/2” (38.1 mm) nap rollers designed for latex paints. Dampen brushes and rollers with clean water before use. When sprayed, back rolling is required to ensure appropriate uniform contact with the surface. Avoid applying to excess, which can cause the product to run down the wall or puddle. TAMMOLASTIC may be applied to the TAMMSONEY PRIMER 12 to 24 hours following primer application. TAMMOLASTIC: Use spray equipment with 0.025 to 0.031 inch (0.64 to 0.79 mm) orifice size spray tips, paint rollers, or brushes to apply TAMMOLASTIC.

**If spraying:** Use 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. Back rolling is recommended during application of the first coat. A second coat can be applied after the first coat is dry, typically 12 to 24 hours.

**If rolling:** Use rollers with 1” to 1-1/2” (25.4 to 38.1 mm) nap. Dampen the brushes or rollers with clean water and shake our excess water before use. When using rollers, uniform millage is best achieved by rolling the TAMMOLASTIC in one direction. Do not back roll. A second coat can be applied after the first coat is dry, typically 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 material may require strong solvents or mechanical abrasion for removal.

**Precautions/Limitations**

- TAMMOLASTIC is a water-based product and is not flammable
- Provide adequate ventilation during application
- Do not thin or dilute TAMMOLASTIC
- Do not apply TAMMOLASTIC if rain is expected within 8 hours
- Do not apply over frost-filled surfaces
- Do not apply if surface or ambient temperatures are below 45°F (7°C)
- Store at temperatures between 50°F and 90°F (10°C and 32°C). Protect from freezing.
- Do not apply to non-absorbent materials such as glass, metal, glazed brick, or glazed tile
- Not for use on traffic bearing surfaces
- In all cases, consult the Safety Data Sheet before use

**Coverage**

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