COATINGS - ARCHITECTURAL WALL

Master Format #: 09 96 53

TAMMOLASTIC

ELASTOMERIC, PROTECTIVE AND DECORATIVE COATING

EUCLID CHEMICAL

PACKAGING

5 gal (18.9 L) pail
- Code: TL2217505§ (Std Colors)
- Code: TL2217505§ (Special Colors)

55 gal (208 L) drum
- Code: TL2217555§ (Std Colors)
- Code: TL2217555§ (Special Colors)

CLEAN UP

Clean tools and 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.

SHELF LIFE

2 years in original, properly stored, unopened package

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Elastomeric and flexible
- Repels water
- Excellent adhesion
- Protects from carbonation
- Provides mildew and fungus growth resistant coating
- Freeze-thaw stable
- Outstanding color retention

PRIMARY APPLICATIONS

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

APPEARANCE

TAMMOLASTIC is available in 12 standard colors (Adobe, Cream, Custard, Gray, Navajo, Pearl, Pewter, Pueblo, Sand, Suede, Summer, White) and in tint bases for universal colorant systems. Special/custom colors are available with minimum quantity orders.

APPLICATION PROPERTIES

These properties are based on laboratory conditions at 70 °F. Expect variation based on jobsite conditions.

Solids content: 65 to 70%
Density: 12.0 ± 1.0 lbs/gal (1.4 kg/L)
Viscosity: 2,600 to 3,000 cp (116 to 122 ku)
VOC content: < 100 g/L
Recoat: 12 to 24 hours

COVERAGE

Surface Texture	First Coat - ft²/gal (m²/L)	Second Coat - ft²/gal (m²/L)
TAMMS H/P PRIMER		
Smooth	200 to 300 (4.91 to 7.36)	N/A
TAMMS MASONRY PRIMER		
Porous	40 to 80 (0.98 to 1.96)	N/A
TAMMOLASTIC		
Smooth	60 to 80 (1.47 to 1.96)	80 to 100 (1.96 to 2.45)
Porous	50 to 70 (1.23 to 1.72)	60 to 80 (1.47 to 1.96)

Note: 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, and obtain approval of architect or owner for the color, finish, water repellency, and coverage before proceeding with work.

TECHNICAL INFORMATION

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

Test Method	Test Property	Values
N/A	Carbon Dioxide Diffusion	Diffusion coefficient . . . . . 1.2 x 10^{-6} cm^2sec^{-1} Diffusion resistance coefficient . . . . . 145,000 Klopfer criteria . . . . . .passes
N/A	Flexibility	1" (25.4 mm) mandrel . . . . . .no chipping or breaking
ASTM C666	Freeze Thaw Durability	After 300 cycles 97.3%
Fed. Test 141, Method 6271	Fungus Growth Resistance	28 days . . . . . none
ASTM D2794	Impact Resistance	No chipping
ASTM B117	Salt Spray Resistance 5% solution	300 hours . . . . . no adhesion loss @ 90 °F ± 2 °F
ASTM C672	Scaling Resistance	Visual rating . . . . . 0 25 cycles, scaling mass . . . . . none
ASTM D412	Tensile Elongation	@ 75 °F (24 °C) . . . . . 290 to 315% @ 0 °F (-18 °C) . . . . . .90 to 110%
ASTM D412	Tensile Strength	@ 75 °F (24 °C) . . . . . 200 to 220 psi (1.38 to 1.52 MPa) @ 0 °F (-18 °C) . . . . . 550 to 650 psi (3.79 to 4.48 MPa)
ASTM E514	Water Permeability	Dampness shows . . . . . none First water shows . . . . . none Back of wall in 4 hours . . . . . none
ASTM E96	Water Vapor Transmission	20 mil film . . . . . 11 perms
ASTM G26	Weatherometer	No crazing, cracking, chipping, or flaking @ 6,000 hours
TT-C 555b	Wind Driven Rain Resistance	Excellent

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. Defective 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 TAMMS H/P Primer. For highly porous concrete block, prime with TAMMS MASONRY 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: TAMMS 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 TAMMS H/P PRIMER. TAMMOLASTIC may be applied to the TAMMS H/P PRIMER as soon as it is dry to the touch. **TAMMS MASONRY 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 TAMMS MASONRY 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.

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

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