The Euclid Chemical Company Tamms brand of decorative coatings are formulated with state-of-the-art resins that provide the most durable and reliable coatings in the industry. The Tamms brand offers a broad line of architectural coatings designed to weatherproof and protect concrete and masonry structures while providing a high quality aesthetic finish.

**AQUASTAIN® T-96**
Non-flammable, decorative, water based, liquid polymer penetrating stain. Aquastain® T-96 complies with the California Air Management District’s Volatile Organic Compounds (VOC) emission regulations. Aquastain® T-96 retains the natural texture of the concrete or masonry surface without leaving a “painted look.” It resists ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain and most other atmospheric chemicals.

**TAMMSCOAT**
A decorative, high build, flat, water based acrylic emulsion coating used to protect & decorate sound masonry and concrete surfaces. Tammscoat is heavy bodied to fill pores in concrete block, yet permits the wall to “breathe.” Excellent stain resistance to dirt, mild acid, and alkali, mildew, and resists damage from freeze-thaw or ultraviolet rays. Tammscoat has superior adhesive, cohesive, color retention characteristics.

**TAMMOLASTIC**
A protective, decorative, flexible coating formulated from high performance elastomeric acrylic resins. Designed to waterproof, bridge hairline cracks and enhance the aesthetic appearance of vertical 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. The coating repels water yet allows the substrate to breathe thus preventing pressure from building up behind the coating and causing delamination. Tammolastic retains its physical properties including excellent adhesion, flexibility, film breathability and resistance to weathering over along time adding beauty and function to the substrate.

**TAMMOSHEEN**
A decorative, high build, smooth, non-gloss, water repellent, water based acrylic emulsion coating used to protect and decorative sound masonry and concrete surfaces. A heavy bodied to fill pores in concrete block, yet permits the wall to “breathe,” It has excellent stain resistance to dirt, mild acid, alkali, and mildew. It is also resistant to damage from freeze-thaw or ultraviolet rays. It as superior adhesive, cohesive and color retention characteristics.
AQUASTAIN T-96
WATER-BASED, DECORATIVE, PENETRATING STAIN

**DESCRIPTION**

AQUASTAIN T-96 is a penetrating, non-flammable, decorative, water-based, liquid polymer stain. AQUASTAIN T-96 retains the natural texture of the concrete or masonry surface without leaving a "painted look." It resists ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain and most other atmospheric chemicals. AQUASTAIN T-96 is a water-based formulation based on acrylic resins, inorganic pigments, fillers and proprietary additives.

**PRIMARY APPLICATIONS**

- Architectural finishes for buildings
- Sound walls
- Highway bridge structures
- Median barrier
- Interior/exterior surfaces
- Concrete block or brick
- Retaining walls
- Decorative finish
- Stucco

**FEATURES/BENEFITS**

- Resists ultraviolet degradation
- Protects and provides a uniform color finish to precast or cast-in-place concrete
- Fights atmospheric conditions
- Can contribute to LEED points

**TECHNICAL INFORMATION**

<table>
<thead>
<tr>
<th>Material Properties @ 75°F (24°C)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity .................................... 400 to 900 cps</td>
<td></td>
</tr>
<tr>
<td>VOC content .................................. &lt; 50 g/L</td>
<td></td>
</tr>
<tr>
<td>Weight/gal .................................. 11.10 lbs (1.3 kg/L)</td>
<td></td>
</tr>
<tr>
<td>Solids by weight .............................. 35 to 45%</td>
<td></td>
</tr>
<tr>
<td>Dry time ...................................... 15 to 45 minutes</td>
<td></td>
</tr>
<tr>
<td>Cure time .................................... 3 to 6 hours</td>
<td></td>
</tr>
<tr>
<td>Weathering resistance ....................... excellent</td>
<td></td>
</tr>
<tr>
<td>Abrasion resistance (Taber Abraser) ...... CS17, 1000 gm, 1000 cycles .......... 160 mg wt. loss</td>
<td></td>
</tr>
</tbody>
</table>

**PACKAGING**

AQUASTAIN T-96 is packaged in 55 gal (208 L) drums (standard colors only) and in 5 gal (18.9 L) pails.

**SHELF LIFE**

1 year in original, unopened container

**COVERAGE**

<table>
<thead>
<tr>
<th>Substrate</th>
<th>1st Coat ft²/gal (m²/L)</th>
<th>2nd Coat ft²/gal (m²/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>150 to 225 (3.68 to 5.52)</td>
<td>250 to 350 (6.14 to 8.59)</td>
</tr>
<tr>
<td>Concrete block (std)</td>
<td>100 to 175 (2.45 to 4.29)</td>
<td>175 to 275 (4.29 to 6.75)</td>
</tr>
<tr>
<td>Light weight/split face</td>
<td>40 to 60 (0.98 to 1.47)</td>
<td>60 to 100 (1.47 to 2.45)</td>
</tr>
<tr>
<td>Brick</td>
<td>60 to 100 (1.47 to 2.45)</td>
<td>80 to 150 (1.96 to 3.68)</td>
</tr>
<tr>
<td>Stucco</td>
<td>60 to 100 (1.47 to 2.45)</td>
<td>80 to 120 (1.96 to 2.94)</td>
</tr>
</tbody>
</table>

**Note:** AQUASTAIN T-96 coverage rates are approximate and are for estimating purposes only. Surface temperature, porosity and texture will determine actual material requirements. Sample areas should be completed for all surfaces to be stained. Obtain architect and/or owner approval for the color, finish, and coverage rates before proceeding with the job.
**WARRANTY:** The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and Buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.

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### Surface Preparation
Cure new concrete or masonry surfaces for 28 days. Cracks, voids and holes in old concrete should be repaired prior to application of AQUASTAIN T-96. The surface must be structurally sound, clean, free of dirt, paint, laitance, efflorescence and other contaminants. Provide an absorptive surface on all substrates including smooth precast or formed concrete by abrading the surface. Mechanical means to achieve a surface profile equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2. Properly clean profiled area. On porous surfaces or where required, the surface must be waterproofed with a compatible penetrating waterproofing sealer, such as CHEMSTOP WB, prior to applying AQUASTAIN T-96.

### Mixing
AQUASTAIN T-96 comes ready to use and requires no additives. Mix AQUASTAIN T-96 with a slow speed drill and mixing blade to thoroughly disperse all ingredients. Do not aerate the mix. Do not dilute AQUASTAIN T-96 with any other material.

### Application
AQUASTAIN T-96 should be applied when the temperature is warmer than 45°F (7°C) and rising. AQUASTAIN T-96 is applied in two coats. The first coat primes the surface and equalizes the absorption of the substrate. The second coat, which is applied 12 to 24 hours after the first coat, provides the finished appearance and maximizes the durability. AQUASTAIN T-96 can be applied by airless spray, roller or brush. The preferred application method is airless spray using equipment capable of 1000 to 3000 psi (6.89 to 20.68 MPa) with a self cleaning reversible spray tip with a 0.021” (0.53 mm) orifice. When applying AQUASTAIN T-96, hold the spray gun 12” to 18” (30 to 45 cm) from the wall. Use a cross coat technique which consists of a horizontal pass followed by a vertical pass. For fluted surfaces, only make vertical passes and hold the sprayer at the proper angle to coat both sides of the flutes. Apply AQUASTAIN T-96 to the point of saturation with no run down. Use brushes or rollers to remove sags or streak marks. Other use of brushes or rollers should be avoided except to coat edges or areas that cannot be sprayed. Apply the second coat 12 to 24 hours after the first using the same technique. Complete cure and full color development will be realized 48 hours after the second coat.

### Clean-Up
Clean tools and application equipment immediately after use with detergent and hot water. Dried material may require solvents or abrasion for removal.

### Precautions/Limitations
- AQUASTAIN T-96 is not intended for horizontal surfaces.
- Do not thin or dilute AQUASTAIN T-96.
- Do not apply to exterior surfaces if rain is expected within 12 hours.
- Do not apply if temperatures are below 45°F (7°C) or above 90°F (32°C). High humidity and cool temperatures will slow the drying process.
- Do not apply to frost filled surfaces.
- Do not apply to non absorbent materials such as glass, metal, glazed brick or glazed tile.
- AQUASTAIN T-96 is not intended to seal leaks or withstand hydrostatic water pressure.
- Fresh concrete and mortar joints should be cured at least 28 days before applying AQUASTAIN T-96.
- Protect from freezing.
- Store between 50°F to 90°F (10°C to 32°C).
- In all cases, consult the Safety Data Sheet before use.
TECHNICAL DATA SHEET

TAMMOSHEEN®
Smooth Acrylic Emulsion Decorative Coating

1. DESCRIPTION: TAMMOSHEEN is a decorative, high build, smooth, nongloss, water repellent, water-based acrylic emulsion coating used to protect and decorative sound masonry and concrete surfaces. TAMMOSHEEN is heavy bodied to fill pores in concrete block, yet permits the wall to “breathe.” It has excellent stain resistance to dirt, mild acid, alkali, and mildew. It is also resistant to damage from freeze-thaw or ultraviolet rays. TAMMOSHEEN has superior adhesive, cohesive and color retention characteristics.

2. USES: TAMMOSHEEN is applied exterior or interior above grade, and interior below grade to properly prepared concrete, brick, block, stone, and stucco surfaces.

3. COMPOSITION AND MATERIAL PROPERTIES: TAMMOSHEEN is a waterbased emulsion of 100% acrylic resin polymers, mold and fungus inhibitors, freeze-thaw stabilizers, and mineral oxide color pigments.

4. COLORS AND TEXTURES: TAMMOSHEEN is available in a wide range of standard colors. Tint bases are also available for universal colorant systems. Other colors are available on request. Minimum quantities apply. Contact TAMMS Technical Service Centers for further information.

5. 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, honeycombs, cracks, cavities and other defects should be routed to sound concrete and patched using compatible materials. Priming: For masonry and concrete, or when applying in hot, windy conditions priming the surface with TAMMS H/P PRIMER is recommended. For highly porous surfaces such as unpainted concrete block, TAMMOSHEEN should be applied 2-4 hours following the HP primer application using spray, roller or brush. To spray TAMMOSHEEN, use airless spray equipment using a “cross coat” technique (horizontal pass followed by a vertical pass). Avoid applying to excess, which can cause the product to run down the wall or puddle. Back rolling is recommended during application of the first coat. The second coat can be sprayed after the first coat is dry, in 12-24 hours. Do not back roll during the second coat. For hand application, use brushes and 1½ inch (3.81 cm) nap rollers designed for latex paints. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling TAMMOSHEEN in one direction only.

6. MIXING INSTRUCTIONS: TAMMOSHEEN should be mechanically mixed using a low speed 3/4 inch drill with a mixing paddle. Mix thoroughly to a uniform, lump free consistency. Do not aerate the mix.

7. APPLICATION TECHNIQUES: Apply TAMMS H/P Primer to porous surfaces or during very hot or windy weather. Use airless spray equipment with 0.017 to 0.021 inch (0.43-0.53 mm) orifice size spray tips or paint rollers. Apply the primer uniformly to the substrate. For MASONRY PRIMER application, consult technical service. TAMMOSHEEN should be applied 2-4 hours following the HP primer application using spray, roller or brush. To spray TAMMOSHEEN, use airless spray equipment. Spray TAMMOSHEEN using a “cross coat” technique (horizontal pass followed by a vertical pass). Avoid applying to excess, which can cause the product to run down the wall or puddle. Back rolling is recommended during application of the first coat. The second coat can be sprayed after the first coat is dry, in 12-24 hours. Do not back roll during the second coat. For hand application, use brushes and 1½ inch (3.81 cm) nap rollers designed for latex paints. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling TAMMOSHEEN in one direction only.

Material Properties At 75°F

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Criterion</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E514-86</td>
<td>Water Permeability</td>
<td></td>
</tr>
<tr>
<td>Dampness Shows</td>
<td>10 mins.</td>
<td>none</td>
</tr>
<tr>
<td>First Water Shows</td>
<td>12 mins.</td>
<td>none</td>
</tr>
<tr>
<td>Dampness area back of wall @ 4 hours</td>
<td>75%</td>
<td>none</td>
</tr>
<tr>
<td>ASTM E96</td>
<td>Water Vapor Transmission</td>
<td>20 mils film</td>
</tr>
<tr>
<td>ASTM G26</td>
<td>Weatherometer 6000 Hours</td>
<td>No crazing, cracking, chipping or flaking</td>
</tr>
<tr>
<td>ASTM G66</td>
<td>Freeze-Thaw durability (avg.)</td>
<td>300 cycles</td>
</tr>
<tr>
<td>ASTM 672</td>
<td>Scaling Resistance-25 cycles</td>
<td>Visual Rating</td>
</tr>
<tr>
<td>ASTM 672</td>
<td>Scaling Mass</td>
<td>none</td>
</tr>
<tr>
<td>Freeze-Thaw Test, Modified</td>
<td>50 cycles</td>
<td>No visible defects</td>
</tr>
<tr>
<td>Kentucky Method</td>
<td>Salt spray resistance</td>
<td>30 hrs 5% solution</td>
</tr>
<tr>
<td>Fed Test 141, Method 6271</td>
<td>Fungus Growth</td>
<td>28 Days</td>
</tr>
</tbody>
</table>

Values are typical and not necessarily referenced to create specifications.
8. COVERAGE: TAMMOSHEEN 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.

<table>
<thead>
<tr>
<th>Surface Type</th>
<th>Sq.ft/gal.</th>
<th>1st coat</th>
<th>2nd coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAMMOSHEEN</td>
<td></td>
<td>80-100</td>
<td>80-100</td>
</tr>
<tr>
<td>Porous surfaces</td>
<td></td>
<td>100-150</td>
<td>100-150</td>
</tr>
<tr>
<td>Smooth surfaces</td>
<td></td>
<td>100-150</td>
<td>100-150</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H/P PRIMER</th>
<th>Sq.ft/gal.</th>
<th>100-150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porous surface</td>
<td></td>
<td>100-150</td>
</tr>
<tr>
<td>Smooth surface</td>
<td></td>
<td>200-300</td>
</tr>
</tbody>
</table>

| MASONRY PRIMER    | Sq.ft/gal. | 40-80    |

9. CLEAN-UP INSTRUCTIONS: 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 abrasion for removal.

10. CAUTIONS: Concrete surfaces must cure for 28 days prior to application. Do not thin or dilute TAMMOSHEEN. Do not apply TAMMOSHEEN when rain is expected within 12 hours. Do not apply at temperatures below 45°F or above 90°F (10-32.2°C) or over frozen or frost-filled surfaces. Do not apply if weather conditions will not permit complete drying of material before rain, dew or freezing temperatures. Not designed for use on traffic bearing surfaces. Do not apply TAMMOSHEEN to non-absorbent materials such as glass, metal, glazed brick, or glazed tile.

11. ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only. TAMMOSHEEN is a water based product and nonflammable. Provide adequate ventilation. It can be irritating to the eyes and skin. Wear goggles and protective clothing. In case of eye contact, flood eyes repeatedly with clean water and call a physician immediately. DO NOT RUB EYES! Wash hands thoroughly with soap and water after handling or before smoking or eating. Do not take internally. If ingested, do not induce vomiting. Call a physician immediately. READ MATERIAL SAFETY DATA SHEET BEFORE USING. FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS. EMERGENCY RESPONSE PHONE NUMBER (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.

12. PACKAGING: 5 gallon (18.9 liters) plastic pails, 30 gallon (113.6 liter) drums. Storage: 50 to 90°F (10-32.2°C). Protect from freezing. Shelf Life: One year properly stored. Freight Class: Class 55.

13. TECHNICAL SERVICE: For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
3835 State Route 72, Kirkland, IL 60146
800-862-2667 FAX: 815-522-2323
www.tamms.com

WARRANTIES: Seller warrants that the Products do not infringe upon any copyright, patent, or trademark or trade secret, nor violate the proprietary information rights of any third party. Seller warrants that its Products will conform to and perform in accordance with the Products’ specifications. THE FOREGOING WARRANTIES, ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION ON LIABILITIES: Because of the difficulty of ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury. Seller’s liability to the Buyer or any third party, for any losses or damages, whether direct or otherwise, arising out of the purchase of Product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer for the Product hereunder. IN NO EVENT WILL SELLER BE LIABLE FOR ANY LOSS OF PROFITS OR OTHER SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
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

Material Properties @ 75°F (24°C)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight/gal</td>
<td>12 ± 1.0 lbs (1.4 kg/L)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>2,600-3,000 cp (116-122 ku)</td>
</tr>
<tr>
<td>Solids Content (by weight)</td>
<td>65 to 70%</td>
</tr>
<tr>
<td>Tensile Strength, psi (MPa), ASTM D412</td>
<td></td>
</tr>
<tr>
<td>@ 75°F (24°C)</td>
<td>190 to 210 (1.31 to 1.45)</td>
</tr>
<tr>
<td>@ 0°F (-18°C)</td>
<td>550 to 650 (3.79 to 4.48)</td>
</tr>
<tr>
<td>Tensile Elongation, %, ASTM D412</td>
<td>290 to 315</td>
</tr>
<tr>
<td>Water Permeability, ASTM E514</td>
<td>none</td>
</tr>
<tr>
<td>Wind Driven Rain Resistance, TT-C 555B ...pass</td>
<td>none</td>
</tr>
<tr>
<td>Water Vapor Transmission, ASTM E96</td>
<td>20 mil film...11 perms</td>
</tr>
</tbody>
</table>

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 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
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.

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

<table>
<thead>
<tr>
<th></th>
<th>1st Coat</th>
<th>2nd Coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAMMS H/P PRIMER</td>
<td>200 to 300 (4.91 to 7.36)</td>
<td>-----</td>
</tr>
<tr>
<td>TAMMS MASONRY PRIMER</td>
<td>40 to 80 (0.98 to 1.96)</td>
<td>-----</td>
</tr>
<tr>
<td>TAMMOLASTIC</td>
<td>50 to 70 (1.23 to 1.72)</td>
<td>60 to 80 (1.47 to 1.96)</td>
</tr>
<tr>
<td></td>
<td>60 to 80 (1.47 to 1.96)</td>
<td>80 to 100 (1.96 to 2.45)</td>
</tr>
</tbody>
</table>

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.
TAMMSCOAT
WATER-BASED, DECORATIVE AND PROTECTIVE ACRYLIC COATING

DESCRIPTION

TAMMSCOAT is a high build, water-based, acrylic coating used to protect and decorate sound masonry and concrete walls. TAMMSCOAT is available in a multitude of colors in either a smooth or fine (sanded) finish.

PRIMARY APPLICATIONS

- Exterior and interior above grade walls
- Concrete
- Concrete masonry units
- Brick
- Stone
- Stucco
- Breathable
- Freeze-thaw stable
- Custom and standard colors & textures
- Can contribute to LEED points

FEATURES/BENEFITS

- Repels water
- Excellent adhesion
- Protects from carbonation
- Outstanding color retention
- Highly durable
- Breathable
- Freeze-thaw stable
- Custom and standard colors & textures
- Can contribute to LEED points

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

<table>
<thead>
<tr>
<th>FINE</th>
<th>SMOOTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight/gal (kg/m²)</td>
<td>12.5 ± 0.5 lb</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3000 to 3700 cp</td>
</tr>
<tr>
<td>Solids by weight</td>
<td>65 to 68%</td>
</tr>
</tbody>
</table>

Test Method | Criterion | Results
---|---|---
Water Perm ASTM E514 | Dampness shows | none
First water shows | 10 mins | none
Back of wall @ 4 hours | 75% | none
Wind Driven Rain Resistance TT-C 555B | Rating | E (excellent)
Water Vapor Trans ASTM E96 | 20 mils film | 12 to 14 perms
Abrasions Resistance ASTM C418 | 0 mils abraded

Weatherometer ASTM G 26
6000 hrs | No crazing, cracking, chipping or flaking

Carbon Dioxide Diffusion
Diffusion coefficient | 1.1 x 10⁻⁶ cm² sec⁻¹
Diffusion resistance coefficient | 155,900
Klopfers criteria | passes

Freeze Thaw Durability ASTM C666
300 cycles | 100.9%

Scaling Resistance ASTM C672 25 cycles
Visual Rating | 0
Scaling Mass | none

Salt Spray Resistance ASTM B117 2,000 hrs 5% solution
no adhesion loss | @ 90°F ± 2°F (24°C ± -17°C)

Fed Test 141, Method 6271 Fungus Growth
28 days | none

Impact Resistance ASTM D2794 | no chipping

Flexibility Test
1° Mandrel (25mm) | No chipping or breaking

Appearance: TAMMSCOAT is available in standard colors and tint bases for universal colorant systems. FINE or SMOOTH texture finish is standard. Custom colors are available with minimum quantity orders. Contact your local Euclid Chemical representative for further information.

PACKAGING

TAMMSCOAT is packaged in 55 gal (208.2 L) drums and in 5 gal (18.9 L) pails.

SHELF LIFE

2 years in original, unopened container
WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.

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 pre-cast, formed concrete and other substrates by abrading the surface. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2. Defective concrete should be removed and patched using compatible restoration products.

Priming: For concrete and masonry, especially in hot, windy conditions, priming with TAMMS H/P Primer is recommended. For highly porous concrete block, priming with TAMMS MASONRY PRIMER is recommended.

Mixing: TAMMSCOAT 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: Spray TAMMSCOAT FINE using heavy duty spray equipment capable of spraying ceiling texture, plaster or cementitious coatings. To spray TAMMSCOAT SMOOTH, use airless spray equipment with a 0.025” to 0.035” (0.64 to 0.89 mm) orifice size spray tip. Spray TAMMSCOAT using a “cross coat” technique (horizontal pass followed by a vertical pass). Avoid applying to excess, which can cause the product to run down the wall or puddle. Backrolling is recommended during application of the first coat. The second coat can be sprayed after the first coat is dry, approximately 12 to 24 hours. Do not backroll during the second coat. For hand application, use brushes and 1½” (38.1 mm) nap rollers designed for latex paint. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling TAMMSCOAT in one direction only.

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

- Store at temperatures between 50°F (10°C) to 90°F (32°C).
- Protect from freezing.
- Do not thin or dilute TAMMSCOAT.
- Do not apply TAMMSCOAT if rain is expected within 8 hours.
- Do not apply over frost filled surfaces.
- Do not apply if surface and ambient temperatures are below 45°F (7°C) or above 90°F (32°C).
- Do not apply to non-absorbent materials such as glass, metal, glazed brick or glazed tile.
- Not for use on traffic bearing surfaces.
- Use HP PRIMER as a prime coat on very porous surfaces or in hot, windy conditions.
- In all cases, consult the Safety Data Sheet before use.

Coverage

<table>
<thead>
<tr>
<th></th>
<th>1st Coat</th>
<th>2nd Coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAMMS H/P PRIMER</td>
<td>100 to 150 (2.45 to 3.68)</td>
<td>-----</td>
</tr>
<tr>
<td>Smooth surfaces</td>
<td>200 to 300 (if required) (4.91 to 5.33)</td>
<td>-----</td>
</tr>
<tr>
<td>TAMMS MASONRY PRIMER</td>
<td>40 to 80 (0.98 to 1.96)</td>
<td>-----</td>
</tr>
<tr>
<td>TAMMSCOAT SMOOTH</td>
<td>80 to 100 (1.96 to 2.45)</td>
<td>80 to 100 (1.96 to 2.45)</td>
</tr>
<tr>
<td>Smooth surfaces</td>
<td>80 to 120 (1.96 to 2.94)</td>
<td>100 to 130 (2.45 to 3.19)</td>
</tr>
<tr>
<td>TAMMSCOAT FINE</td>
<td>50 to 65 (1.23 to 1.60)</td>
<td>60 to 75 (1.47 to 1.94)</td>
</tr>
<tr>
<td>Smooth surfaces</td>
<td>75 to 100 (1.84 to 2.45)</td>
<td>85 to 110 (2.09 to 2.70)</td>
</tr>
</tbody>
</table>

Note: TAMMSCOAT 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