

TAMMSDECK SYSTEM

ELASTOMERIC, URETHANE, WATERPROOFING PEDESTRIAN COATING

DESCRIPTION

TAMMSDECK SYSTEM is an elastomeric deck coating for pedestrian traffic. The system consists of a two part epoxy primer (DURAL EPOXY PRIMER), a one component aromatic urethane membrane (TAMMSDECK MEMBRANE), and a one component, sand filled, aliphatic urethane topcoat (TAMMSDECK TOPCOAT).

PRIMARY APPLICATIONS

- Balconies and promenades
- Mechanical rooms
- Plazas
- Stadiums
- Floors
- Stairs
- Landings

FEATURES/BENEFITS

- Lightweight, anti-skid surface – ideal for deck resurfacing
- Impervious to water
- One component membrane and topcoat
- Easy application
- Superior durability
- Abrasion resistance
- Strong bond to concrete
- Flexible over wide temperature range
- Outstanding weathering characteristics

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C), 50% R.H.

	DEP Primer	Membrane	Topcoat
Mixed Viscosity, cps	300 to 400	1,000 to 3,000	1,500 to 3,000
Gel Time, (100 gms.), min.	30 to 40		
Pot Life, (2 gal/7.6 L), min.	20 to 30	60 to 120	60 to 120
Solids, % by wt.	100	86	78
VOC Content (g/L)	0	193	240
Tack Free Time, hrs.	3 to 4	10 to 12	18
Tensile Strength, psi (MPa) (ASTM D 412)	NA	800 (5.5)	2,800 (19.3)
Tensile Elongation, % (ASTM D412)	NA	450	100
Tear Strength, pli (ASTM D 412)	NA	60	>250
Abrasion Resistance CS 17 Wheel, 1000 gms			0.010

Appearance: TAMMSDECK System color is determined by the color of TAMMSDECK TOPCOAT. The standard color is a Light Gray. Special colors are available with minimum quantity orders and special pricing.

PACKAGING

DURAL EPOXY PRIMER is available in 4 gal (3.8 L) /case and 10 gal (37.8L) units. TAMMSDECK MEMBRANE and TAMMSDECK TOPCOAT are available in 5 gal (18.9 L) containers.

SHELF LIFE

In original, unopened, properly stored containers, DURAL EPOXY PRIMER: 1 year. TAMMSDECK MEMBRANE: 6 months. TAMMSDECK TOPCOAT: 6 months.

COVERAGE/YIELD

Product	ft ² /gal (m ² /L)
DURAL EPOXY PRIMER	225 to 250 (5.52 to 6.14)
TAMMSDECK MEMBRANE	60 to 70 (1.47 to 1.72)
TAMMSDECK TOPCOAT	90 to 100 (2.21 to 2.45)
20 to 30 Silica Sand (lbs/ft ²)	0.25 to 0.75 (10.7 to 16.3 kg/m ²)

A dry film thickness (DFT) of 20 mils of TAMMSDECK MEMBRANE is recommended for most applications TAMMSDECK MEMBRANE at a coverage rate of 65 ft²/gal (1.60 m²/L) yields 20 mils DFT. Coverage rates can vary due to surface texture, porosity, aggregate selected for anti-slip surface and temperature.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

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DIRECTIONS FOR USE

Surface Preparation: Concrete must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance must be removed. The preferred method of surface preparation is mechanical abrasion. Surface profile should be equal to CSP 3 - 4 in accordance with ICRI Guideline 03732 at a minimum. If it is not possible to mechanically abrade, acid etch with a 15% hydrochloric acid solution. After etching pressure wash or flush the surface with copious amounts of water to neutralize the surface. The pH of the surface should be checked as per ASTM D4262 following acid etching. Following surface preparation, the cleaned surface should pull concrete when tested with an Elcometer or similar pull tester (ASTM D 4541). Before application of the coating, use the "Visqueen test" (ASTM D 4263) to evaluate moisture level in concrete. **New Concrete:** Allow to cure for a minimum of 28 days. (If earlier times are required, contact your local Euclid representative). Remove any surface hardener or curing compounds using the recommended mechanical methods for surface preparation. Prepare surface as recommended above. **Old Concrete:** For quick, small patching use suitable epoxy mortar. For larger areas, use cementitious patching materials compatible with the system such as VERSASPEED. After patching, a light brush blast is recommended prior to coating.

Application: DURAL EPOXY PRIMER: Using a low speed "Jiffy" type mixer, mix the A & B components separately for approximately 2 to 3 minutes. Then mix the components together for 3 to 5 minutes, scraping the bottom and sides of the mixing container at least once. Do not aerate the mix. Apply to the prepared surface using a short nap roller, brush, or an airless spray. **TAMMSDECK MEMBRANE:** Mix the one component TAMMSDECK MEMBRANE for 3 to 5 minutes and apply using a roller or notched squeegee. Application can take place as soon as the primer becomes tack free (typically 3 to 4 hours) but no longer than 24 hours after application of the primer. **TAMMSDECK TOPCOAT:** Mix the one component TAMMSDECK TOPCOAT for 3 to 5 minutes and apply using a short nap roller, brush or spray. The TOPCOAT should be applied after the TAMMSDECK MEMBRANE has become tack free, approximately 10 to 12 hours, and no longer than 36 hours after the membrane becomes tack free. Immediately after applying the topcoat broadcast a 20 to 30 mesh silica sand into the wet topcoat and backroll to evenly distribute and completely encapsulate the sand.

CLEAN-UP

Clean tools and equipment immediately after use with acetone. Clean up spills or drips while still wet with the same solvents. Dried product will require mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10°C to 32°C).
- TAMMSDECK SYSTEM should be applied to dry concrete and at ambient temperature of 50°F (10°C) and rising.
- All of the material in a container should be used after opening.
- TAMMSDECK SYSTEM is designed for pedestrian traffic only - do not use for wheeled traffic.
- Components of TAMMSDECK SYSTEM cannot be re-sealed and re-used after opening.
- In all cases, consult the Material Safety Data Sheet before use.

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