

AQUATHANE®

ANTI-GRAFFITI, POLYURETHANE PROTECTIVE COATING

DESCRIPTION

AQUATHANE is a two component, solvent based, aliphatic polyurethane coating which has excellent anti-graffiti properties for indoor or outdoor use. **AQUATHANE** is also an ideal topcoat for most Euclid Chemical epoxy and urethane coatings and some masonry coatings.

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

- Interior or exterior surfaces
- Protects and provides a uniform color finish to precast or poured concrete
- Provides a durable, long-lasting coating designed for easy graffiti removal

TECHNICAL INFORMATION

Typical Properties

	60°F(16° C)	75°F (24°C)	90°F(32°C)
Pot Life (2 gal) hrs	8	6	4
Dry Time hrs	4 to 5	2 to 4	1 to 2
Final Cure days	15	7	5
Mix Ratio Volume: part A/part B	(1:3)		
Viscosity @ 75°F (24°C)	300 to 1,000 cps		
Mixed Solids %			
Weight	58 to 60		
Volume	54 to 56		

Flexibility passes the 1/8" (3.2 mm) Mandrel Test
Ultraviolet exposure passes after 1,000 hours
VOC content 340 g/L

Taber Abrasion Test (CS 17 wheel)
1,000 grams / 1,000 cycles 50 mgs weight loss

Appearance: **AQUATHANE** is available in clear gloss and clear-matte finish.

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

PACKAGING

AQUATHANE is packaged in 4 gal cases (15.14 L) and 20 gal (70.71 L) units.

SHELF LIFE

1 year in original, unopened container.

COVERAGE

Typical coverage rates for **AQUATHANE** are 200 to 300 ft²/gal (4.91 to 7.36 m²/L). Two coats are recommended for most applications.

Note: **AQUATHANE** coverage rates are approximate and are for estimating purposes only. Surface porosity and texture will determine actual material requirements. Apply samples to all surface to be covered. Obtain approval of the architect or owner for the finish and coverage before proceeding with the job. Retain the mock-up through the completion of the job.

DIRECTIONS FOR USE

Surface Preparation: Concrete: The surface must be structurally sound, dry, free of grease, oils, curing compounds, efflorescence, laitance, form release agents and any other contaminants that would interfere with adhesion. Smooth, precast and formed concrete surfaces must be cleaned, roughened and made absorptive by mechanical abrasion. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 03732. Defective concrete, honeycombs, cracks, cavities and other defects should be routed to sound concrete and patched using compatible materials. **Steel:** The surface should be abrasive blasted using clean dry aggregate to a white metal finish and primed immediately using a solvent based priming product. Do not use TAMMS H/P PRIMER or DURAPRIME WB to prime metal. **New/Existing Coatings:** Coatings should be cleaned and lightly sanded prior to application of **AQUATHANE** as a topcoat. A test patch should be applied and tested for adhesions.



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An **RPM** Company



Priming: AQUATHANE should not be applied directly to unprimed concrete or masonry. Prime the concrete or masonry with TAMMS H/P PRIMER or DURAPRIME WB, both are water based primers. Stir the primer before using and apply by brush, roller or airless spray equipment. The primer should be tack free before AQUATHANE is applied. Refer to primer technical data sheet for additional information.

Mixing: Premix AQUATHANE Part A and Part B separately then combine one part by volume of Part A with three parts by volume of Part B in a clean dry container. Using a "Jiffy" or similar type mixer, mix slowly without aerating for 3 to 5 minutes. Scrape the sides of the container and the blades at least once during the mixing. Do not aerate during mixing.

Application: The primer can be applied by brush, short nap roller or airless spray equipment. Apply AQUATHANE as soon as the primer dries but no later than 18 hours after primer application. When spraying AQUATHANE, use a cross coat technique of a horizontal spray followed by a uniform, overlapping vertical spray. All runs and sags should be rolled before they dry. Proper safety precautions should be observed when spraying. When applying the matte finish over primed concrete, apply one coat of gloss finish first followed by one coat of matte finish. This will prevent occurrence of whitish/blotchy areas. **Graffiti Removal:** Graffiti removal should not be attempted until 48 to 72 hours after AQUATHANE application. Remove graffiti as soon as possible after the graffiti attack by working on small areas at a time. Use commercially available graffiti removers and apply in accordance with manufacturers instructions.

CLEAN-UP

Clean tools and application equipment immediately after use with Methyl Ethyl Ketone or PM Acetate. Clean spills or drips while still wet with solvents. Dried AQUATHANE will require mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Apply at ambient temperatures between 50°F to 90°F (10°C to 32°C) and at a humidity below 80%.
- Heavy application of DURAPRIME WB (two part WB epoxy) will give a yellowish cast under this clear system.
- Provide adequate ventilation and use proper safety equipment during application.
- Excessively high film thicknesses and moisture may cause fine surface blistering.
- Direct application of matte finish to primed concrete may lead to a cloudy, blotchy appearance.
- Keep away from sparks, open flame, pilot lights and other sources of ignition.
- Concrete surfaces may darken to give a "wet look" effect on application.
- A test patch is highly recommended, to evaluate coverage rates, and appearance.
- Store between 50°F to 90°F (10°C to 32°C).
- In all cases, consult the Material Safety Data Sheet before use.

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