



EUCLID CHEMICAL

# TAMMS AG 400

## PERMANENT ANTI-GRAFFITI COATING SYSTEM

### DESCRIPTION

**TAMMS AG 400** Topcoat is a two-component urethane coating for indoor and outdoor use that has excellent anti-graffiti properties. It combines superior chemical and abrasion resistance with excellent adhesion and weathering that make it effective for protecting surfaces that must be cleaned frequently with cleaners and solvents to remove graffiti. TAMMS AG 400 Basecoat is a two-component water-based epoxy that is used as a primer/base over previously uncoated concrete and masonry substrates. The TAMMS AG 400 system is used on concrete, concrete block, masonry and steel surfaces that are subject to defacing with graffiti. TAMMS AG 400 Topcoat can also be used as a graffiti resistant topcoat over most Euclid Chemical brand epoxy and acrylic coatings.

### PRIMARY APPLICATIONS

- Bridge abutments
- Tunnels
- Sound walls
- Schools
- Washrooms
- Commercial properties

### FEATURES/BENEFITS

- Protects and provides a uniform color finish to concrete
- Excellent coating for graffiti prone areas
- Interior and exterior surfaces

### TECHNICAL INFORMATION

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

Material Properties @ 75°F (24°C)	AG 400 Basecoat	AG 400 Topcoat
Pot Life, 1 gal (7.6L)	1 to 1.5 hours	2 to 4 hours
Dry Time, Tack Free	5 to 8 hours	3 to 5 hours
Reapplication time	7 to 10 hours	5 to 9 hours
Final Cure, days	2 to 7 days	3 to 5 days
Mix Ratio by volume, Part A : Part B	4:1	2:1
Mixed Viscosity at 75°F (24°C)	400 to 900 cps	200 to 600 cps
Mixed Solids Content, by wt	43 to 47%	64% (clear), 73% (colors)
Flexibility, 1/8" (3.2 mm) Mandrel	no cracks	no cracks
VOC Content	230 g/L	340 g/L
Taber Abrasion Test (CS 17 wheel) 1,000 grams/500 cycles:	54 mg loss	22 mg loss
Adhesion, elcometer	425 psi	350 psi

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

**Appearance:** TAMMS AG 400 Basecoat is available in clear. TAMMS AG 400 Topcoat is available in clear gloss, black, tile red, concrete gray, white, light gray, medium gray, dark gray, light reflective, and tan. Custom colors are available with minimum quantity orders and special pricing. Please contact your Euclid Chemical representative for additional details.

### PACKAGING

TAMMS AG 400 Basecoat is available in 1 gallon (3.78 L) kits.

TAMMS AG 400 Topcoat is available in 3 gal (11.4 L) kits.

### SHELF LIFE

2 years in original, unopened container

## COVERAGE

Basecoat	250 to 320 ft <sup>2</sup> /gal (6 to 8 m <sup>2</sup> /L)
Topcoat	320 to 500 ft <sup>2</sup> /gal (8 to 12 m <sup>2</sup> /L)

TAMMS AG 400 coverage rates are approximate and for estimating purposes only.

**Note:** Surface porosity and texture will determine actual material requirements. Apply samples to all surfaces to be covered. Obtain approval of the project architect or owner for the finish and coverage before proceeding with the job.

## DIRECTIONS FOR USE

**Surface Preparation: Concrete:** The surface must be structurally sound, clean, dry and free of laitance, dust, dirt, oil, coatings, form release agents and other contaminants. Remove defective concrete, honeycombs, cavities and other defects by routing to sound material. Repair areas with suitable repair mortars. Smooth, pre-cast and formed concrete surfaces must be cleaned, roughened and made absorptive by mechanical means. **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.

**Mixing:** Premix Part A and Part B separately, then combine in a clean container. Mix thoroughly, using a "Jiffy" or similar mixer, 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 TAMMS AG 400 Basecoat can be applied by brush, short nap roller or airless spray equipment. TAMMS AG 400 Topcoat can be applied after the Basecoat is dry but no longer than 24 hours. TAMMS AG 400 Topcoat can be applied by brush, short nap roller or airless spray equipment. When spraying TAMMS AG 400, use a cross coat technique of a horizontal spray coat followed by a uniform, overlapping vertical spray coat. All runs and sags should be rolled before they dry. Proper safety precautions should be observed during spraying. TAMMS AG 400 application should be performed at surface and ambient temperatures between 50° F to 90° F (10°C to 32°C) and with humidity below 90%.

**Graffiti Removal:** Graffiti removal should not be attempted until 48 hours after TAMMS AG 400 application. Remove graffiti as soon as possible after the defacing by working on small areas at a time. Use commercially available graffiti removers and apply in accordance with the manufacturer's recommendations.

## CLEAN-UP

Clean tools and equipment immediately following use with methyl ethyl ketone or acetone. Clean drips and over spray while still wet with the same solvents. Dried TAMMS AG 400 will require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10°C to 32°C).
- Protect from moisture and freezing.
- Do not mix or apply TAMMS AG 400 at temperatures below 50°F (10°C) or when humidity is higher than 90%.
- An epoxy primer applied under Clear TAMMS AG 400 may develop a yellow cast.
- Provide adequate ventilation and use proper safety equipment during application.
- Concrete surfaces may darken to give a "wet" look after application of TAMMS AG 400.
- A test patch is highly recommended to evaluate coverage rates and appearance.
- TAMMS AG 400 is FLAMMABLE; keep away from flames and provide proper protection during application.
- In all cases, consult the Safety Data Sheet before use.

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