



TECHNICAL DATA SHEET

DURALTOP® COATING

Polymer Modified Cementitious Coating

03920

CONCRETE RESURFACING
CONCRETE

1. **DESCRIPTION:** DURALTOP COATING is a two component, polymer modified, cementitious coating.

FEATURES AND BENEFITS

- *Improves appearance of coated substrate*
- *Breathable*
- *Pre-proportioned kit*
- *Non-flammable*
- *Low odor*
- *Enhances abrasion resistance*
- *Resistant to deicing chemicals*
- *Reduces water intrusion*

APPLICATIONS

- *Coat concrete, mortar or masonry substrates*
- *Interior or exterior*
- *On grade, above grade, horizontal, vertical or overhead*

2. **COMPOSITION AND MATERIAL:** DURALTOP COATING is a two part, polymer modified coating. Part A consists of cements, finely graded aggregates and proprietary blend of additives. Part B consists of specially blended acrylic polymers which offer enhanced adhesion and flexibility.

Material Properties

Mix Ratio	Mix complete unit
Pot Life of Unit	50 - 70 minutes
Tack Free Time	20 - 40 minutes
Recoat Interval	2 - 4 hours per coat
Abrasion resistance	60 mgs. wt. loss
Tabor Abrasion, 1000 gms., CS 17 wheel	
Bond Strength (ASTM D4541)	Concrete Failure

Typical results obtained under laboratory conditions.

3. **SURFACE PREPARATION:** Surfaces to receive DURALTOP COATING must be structurally sound, clean and free of dirt, oil and all other contaminants. Sandblast, shotblast or mechanically abrade the surface to remove laitance, coatings, deteriorated concrete, or other contaminants which might interfere with adhesion. Cracks, spalls and damaged concrete must be repaired and patched.

4. **MIXING INSTRUCTIONS:** Mix complete kit. Place approximately 1/2 of liquid Part B in a clean container. Use a 1/2 inch drill and a Jiffy mixer at slow speed. While mixing, slowly add all Part A powder to produce a smooth paste with no lumps. Add remaining liquid of Part B and continue mixing until uniformly blended. Do not aerate the mix. After mixing, allow 10-15 minutes for the mix to thicken. Remix before application.

5. **APPLICATION TECHNIQUES:** Surface and ambient temperature must be at least 45°F and rising. For porous surfaces or when applying in direct sunlight, pre-dampen the surface, but ensure that it is free of any standing water prior to application. DURALTOP COATING can be applied by spraying, rolling or brushing. If brush applied use a high quality brush. Load the bristles with DURALTOP COATING and apply the coating using long, smooth strokes. Final strokes should be in one direction to produce a uniform appearance. A Hopper type spray gun may be used to spray the coating. Two coats, each at 10-16 mils, are recommended for optimum performance. Allow the first coat to cure for at least 8 hours, but less than 24 hours, before application of the second coat.

6. **COVERAGE:** Coverage rates are approximate, depending on porosity and texture of the substrate.
FIRST COAT: 100 - 125 sq.ft./gal.
SECOND COAT: 150 - 200 sq.ft./gal.
Two coat coverage per complete kit is 275 - 325 sq.ft.

7. **CLEAN-UP:** Clean tools and equipment with water immediately following use. Clean drips with water while still wet. Cured DURALTOP COATING will require mechanical abrasion for removal.

8. **PACKAGING:** 50 lb. bag Part A, 2.4 gallon liquid Part B. **Storage:** Protect Part B from freezing. Store between 40-90°F. Part A should be stored in dry, well ventilated area (between 40°F and 90°F).

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9. **CAUTIONS:** Minimum ambient and surface temperature should be 45°F and rising. Do not apply if rain is expected within 12-18 hours after coating application. Coating thickness greater than 16 mils per coat may lead to mud cracking or poor surface appearance. A test application to ensure uniformity of appearance or performance is strongly recommended.

10. **ENVIRONMENTAL/SAFETY: Part A** contains portland cement which is alkaline on contact with water. Do not breathe dust. May cause delayed lung injury (Silicosis). Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with potable water and call a physician. **DO NOT RUB EYES.** Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. **Part B** contains a polymer. Avoid breathing vapors or mist. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with potable water and call a physician. **DO NOT RUB EYES.** Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. Do not take internally. **DISPOSAL:** Collect with absorbent material. Dispose of in accordance with current local, state and federal regulations. **READ MATERIAL SAFETY DATA SHEET BEFORE USING. FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS. EMERGENCY RESPONSE; 1-800-862-2667 (TAMMS) 1-800-424-9300 (CHEMTREC)**

11. **TECHNICAL SERVICE:** For Technical Service on all Tamms products contact the Technical Service at:

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