



GUIDE SPECIFICATION

TAMMSCRETE**Polymer Modified, Cementitious Finishing Material**

TAMMSCRETE is a single-component, polymer-modified, cement based material used for achieving a smooth finish on precast, cast-in-place, tilt-up or other unfinished concrete surfaces with imperfections. For applications from featheredge to 1/8" (3.1 mm) neat and up to 1/4" (6.4 mm) when extended with sand.

{Note to Specifier: The paragraphs below are meant to be incorporated into Parts 2 and 3 of a standard CSI 3 Part Format specification, project's General Structural Notes or directly onto the plans. They must be carefully reviewed by a qualified design professional and edited to meet the particular requirements of the project at hand, assure compliance with any governing building codes, and coordinate with other specification sections and drawings. In no case shall these Guide Specifications be considered to be Contract Documents or serve as installation instructions for the product being discussed. In any cases of discrepancy the manufacturer's most recently published data sheet shall take precedent.}

PART 1.0 GENERAL

1.01 RELATED WORK:

- A. Joint Fillers – [Eucolastic](#), [Tammsflex](#), [Dural 340](#), [Qwikjoint UVR](#)
- B. Concrete Repair:
 - 1. Vertical and Overhead: [Euco V-100](#), [Tamms Structural Mortar](#)
 - 2. Horizontal: [Express Repair](#), [VersaSpeed](#)
 - 3. Form and Pour: [Eucocrete](#)
- C. Crack Repair/Injection: [Dural 452 LV](#), [Dural Fast Set Epoxy Gel](#)
- D. Bonding Agents: [EucoWeld 2.0](#), [Duralprep A.C.](#), [Dural 452 MV](#), [EucoFloor Epoxy Primer](#)
- E. Waterproofing/Dampproofing : [Tamoseal](#), [Vandex Super](#), [Hey'Di K-11](#), [Vandex BB75](#)
- F. Architectural Coatings: [Tammscoat](#), [Tammolastic](#)
- G. Anti-Graffiti Coatings: [AG 100](#), [AG-400](#),
- H. Traffic Deck Coatings: [Tammsdeck](#), [Flexdeck](#)
- I. Decorative Floor Coatings: [Duraltex](#)
- J. Epoxy Chemical Resistant Coatings: [Duralkote 240](#), [Duralkote 500](#), [Duraltex 1705/07](#), [Duraltex 1805/07](#)
- K. Penetrating Water Repellents:
 - 1. Horizontal and Vertical: [Baracade Silane 40 WB](#), [Baracade WB 244](#), [Baracade 100C](#), [Baracade Silane 40 IPA](#),
 - 2. Vertical: [Chemstop WB Regular/Heavy Duty](#)
- L. Penetrating Epoxy Sealer: [Euco #512 VOX Epoxy Sealer](#)
- M. Cathodic Protection: [Sentinel Galvanic Anodes](#)

PART 2.0 PRODUCTS2.____ **{Optional}** BONDING AGENT/PRIMER

{Note to Specifier: Euclid Chemical bonding agents, adhesives and primers can be used to enhance the bond of this repair mortar. If desired choose a recommended bonding agent/primer}

from the data sheet and insert product description here. (Note: Latex additives will increase the volumetric resistivity of the mortar making it no longer compatible with Galvanic Anode Protection)

2.____ CEMENTITIOUS REPAIR MORTAR

A. **Trowelable Vertical and Overhead Cementitious Skim Coat from featheredge to 1/8" (3.1 mm) neat and up to 1/4" (6.4 mm) when extended:** Cement-based, one component, trowelable finish coat for concrete surfaces and suitable for interior or exterior use. Material shall have the following properties neat:

1. Compressive Strength minimum minimum 3,000 psi (20.7 MPa) at 7 days and minimum 4,500 psi (31 MPa) at 28 days per ASTM C 109
2. Flexural Strength minimum 750 psi (5.2 MPa) at 28 days per ASTM C78
3. Basis of Design Product:

a) **Euclid Chemical Company (The); TAMMSCRETE
www.euclidchemical.com**

B. Manufacturer shall have ISO 9001 Quality Certification.

C. To ensure compatibility bonding agent and curing compound where used shall be from same manufacturer as repair mortar.

2.____ CURING

{Euclid Chemical suggests curing this repair mortar with a high-solids curing compound. If desired choose a recommended product from the data sheet and insert a product description here. Guide spec language for these products can be found by accessing each product separately through the Euclid Chemical web site.

Be advised that liquid curing compounds are typically not compatible with future penetrating sealer, adhesives or coatings. If such treatments are intended the specifier should insert language for a dissipating resin curing compound such as [KUREZ DR VOX](#) or insert language for proper ACI 308 curing methods. Duration of such cure should be minimum 3 days.}

PART 3.0 EXECUTION

3.____ SURFACE PREPARATION

- A. Concrete Preparation and Cleaning: Areas to receive concrete repair shall be structurally sound and free from deteriorated concrete, dust, dirt, debris, loosened concrete and aggregates, bruised concrete substrate weakened by microcracking, paint, oil, efflorescence, laitance, and other contaminants, and shall have a minimum Concrete Surface Profile CSP equal to that recommended by the repair mortar manufacturer per ICRI Guideline 310.2.

3.____ {Optional} BONDING AGENT APPLICATION

{Note to Specifier: If a separate Euclid bonding agent is to be specified. Insert bonding agent execution language hear.}

3.____ REPAIR MORTAR APPLICATION:

- A. At areas where a bonding agent has not been specified, the saturated-surface dry (SSD) concrete shall be primed with a scrub coat of the specified repair mortar.

1. Soak the repair area with potable water to achieve a saturated-surface dry (SSD) condition.
 2. The repair mortar must be made before the scrub coat dries out.
- B. Cementitious Skim Coat Application: Mix and apply cementitious skim coat per manufacturer's recommendations within the open time of the product scrub coat or any bonding agents.

3.____ CURING

{Euclid Chemical suggests curing this repair mortar with a high-solids curing compound. If desired choose a recommended product from the data sheet and insert here. Guide spec language for these products can be found by accessing each product separately through this web site. Be advised that liquid curing compounds are typically not compatible with future penetrating sealer, adhesives or coatings. If such treatments are intended the specifier should insert language for a dissipating resin curing compound such as [KUREZ DR VOX](#), a removable curing compound such as KUREZ RC, or insert language for proper moisture retaining curing methods meeting ACI 308. Duration of such cure should be minimum 3 days.}

- A. Exposed repair mortar surfaces not receiving subsequent applications of penetrating sealers, coatings or adhesives, shall be cured utilizing a high-solids, water-based curing compound recommended by the repair mortar manufacturer.
- B. Liquid curing compound shall not be applied to surfaces that are to receive subsequent applications of penetrating sealers, coatings, or adhesives. Instead cure surfaces utilizing wet cure methods per ASTM C308.1 for minimum 3 days.

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