

PART 2 PRODUCTS

2.1 FLOORING

- A. As a basis of design: Westcoat Temper-Crete Broadcast System, self-leveling urethane cement flooring system (no substitutions will be accepted).
 - 1. System Materials:
 - a. Resin & Hardener: EC-24 Temper-Crete Urethane
 - b. Cement: TC-24 Temper-Crete Cement
 - c. Pigment: TC-45 Dry Pigment
 - d. Broadcasted Aggregate: TC-65 Quartz Sand
 - e. Topcoat: EC-102 Polyaspartic Topcoat
 - 2. Optional Materials:
 - a. Broadcast Aggregates: #30 silica sand can be used in lieu of TC-65 Quartz Sand.
 - b. Topcoats: EC-50 Novolac, EC-34 Epoxy Topcoat and EC-32 High Build Clear Epoxy Topcoat can be used in lieu of EC-102 Polyaspartic Topcoat.

2.2 MANUFACTURERS

- A. Approved manufacturer: Westcoat Specialty Coatings; 4007 Lockridge Street, San Diego, CA 92102. Telephone 800-250-4519. Fax 619-262-8606. Website: www.westcoat.com.

2.3 PRODUCT REQUIREMENTS

- A. Temper-Crete System
 - 1. Adhesion to Concrete: ASTM D4541, concrete fails.
 - 2. Compressive Strength: ASTM C-579, 6,191 psi.
 - 3. Tensile Strength: ASTM C-307, 1,000 psi.
 - 4. Flexural Strength: ASTM C-580, 2,132 psi.
 - 5. Impact Resistance: ASTM D-2794, >160 in/lbs.
 - 6. Hardness: ASTM D-2240, Shore D, 78.
 - 7. Flammability: ASTM E-648, Class I.
 - 8. Water Absorption: ASTM C-413, <0.1%.
 - 9. VOC Content: ASTM D-2369, Method E, 12 g/l.
 - 10. Abrasion Resistance: ASTM D-4060, 0.07 gm loss.
 - 11. Resistance to Fungi Growth: ASTM G21, Rated 0 (no growth).
 - 12. Resistance to Mold Growth: ASTM D-3273, Rated 10 (highest resistance).
 - 13. Service Temperature: -40°F (min) – 250°F (max).
 - 14. Softening Point: 266°F.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions.
 - 1. Inspect all surfaces to receive urethane cement flooring. Verify that surfaces are dry, clean, and free of contaminants that would prevent Temper-Crete from properly adhering to the surface and that the substrate is satisfactory for installation and complies with requirements specified.
 - 2. Conduct calcium chloride testing according to ASTM F1869.
 - 3. Prepare concrete to a profile equal to CSP 3-6 as specified by ICRI.
 - 4. Before starting work report in writing to the authority having jurisdiction any unsatisfactory conditions.