



SUGGESTED MASTER SPECIFICATION

CONCRETE CURING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete curing using concrete wet cure covers.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete.
- B. Section 03700 - Mass Concrete.

1.3 REFERENCES

- A. AASHTO M 171 - Sheet Materials for Curing Concrete; 2001.
- B. ACI 308 - Standard Practice for Curing Concrete; 2001.
- C. ASTM C 156 - Standard Test Method for Water Retention by Concrete Curing Materials; 2002.
- D. ASTM D 882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting; 2001.
- E. ASTM D 1709 - Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method; 2001.
- F. ASTM C 171 – Daylight reflectance per ASTM E 1347 Poly Film side of products only

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. [Product Data]: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product and color of wet cure covers.

1.5 QUALITY ASSURANCE

- A. Pre-installation Meeting: Convene pre-installation meeting _____ weeks before start of installation of wet cure covers. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and installer. Review installation, protection, and coordination with other work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's unopened packaging with product name and manufacturer clearly identified on labels.
- B. Store products in manufacturer's unopened packaging until ready for installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Reliable Concrete Accessories which is located at: 1450 Citrus St; Riverside, CA 92507 Toll Free Tel: 866-259-2662; Fax: 866-677-5247; Email: rcasales@reliableconcreteaccessories.com; Web: www.reliableconcreteaccessories.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- A. Concrete Wet Cure Covers: ReliableCureSOG® / ReliableCureVAB® Curing Blankets from Reliable Concrete Accessories;
 - 1. Material: Spunlace viscous fibers with super absorbent polymer mat with polyethylene sheet backing.
 - 2. Standard weight conforms in accordance with ASTM D 2103.
 - 3. Water Retention Moisture Loss: 0.0062 oz/sq in (2.7 g/sq m) and 0.0558 lbs/sq ft (0.272 kg/sq m), when tested in accordance with ASTM C 156.
 - 4. Reflection and Moisture Retention: Complying with AASHTO M 171.
 - 5. Dart Impact: Conforms in accordance with ASTM D 1709. Hydraulic Burst: Conforms in accordance with ASTM D 3786.
 - 6. Reflectance: 90 %, when tested in accordance with ASTM E 1447.
 - 7. Puncture Strength: Conforms in accordance with accordance with ASTM D 4833.
 - 8. Thickness: 55 mils (1.4 mm), when tested in accordance with ASTM D 5199
 - 9. Color: White

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive wet cure covers. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Wet cure concrete in accordance with ACI 308.
- B. Install wet cure covers in accordance with manufacturer's instructions.
- C. Install covers in largest practical widths.

D. Thoroughly soak natural fabric side of covers.

E. Install covers with white poly side up.

F. NO Rewetting covers are necessary.

3.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION