

State of Louisiana  
Department of Transportation and Development (DOTD)  
Materials and Testing Section Approved Materials Procedure  
for

**DRY-BATCHED PREPACKAGED SACKED CONCRETE REVETMENT**

**MATERIAL SPECIFICATION REFERENCE:**

DOTD Standard Specifications, Section 712, Subsections 712.02.5, 1001.01, 1003.08, 1018.07, and 1018.01, Supplemental Specifications and Special Provisions.

**APPROVED MATERIAL EVALUATION SUBMITTAL:**

The manufacturer shall submit a completed Approved Materials Evaluation Submittal to the DOTD Materials and Testing Section Coordinator listed below.

**PRELIMINARY REQUIREMENTS:**

The complete submittal must include:

- Complete Approved Materials Evaluation Form
- Letter requesting evaluation of the material
- Product Data Sheets
- Safety Data Sheet (SDS)
- Manufacturer's specifications
- Recommended Installation
- Sample
- Certificate of Compliance (CC)

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory.

Certifications and/or Test Reports

None required for preliminary qualification. See **PROJECT ACCEPTANCE REQUIREMENTS** for Certificate of Compliance (CC) submissions accompanied with each shipment to projects.

Sample (to be furnished at no cost to the Department)

Submit one unfilled sack and one sack of the prepackaged concrete revetment along with a one (1) gallon sample of the cement used.

## **TEST REQUIREMENTS:**

### Laboratory Testing

Physical and Chemical testing will be conducted on the submitted cement sample for conformance with AASHTO M 85.

Tests for cement content and compressive strength will be conducted on the prepackaged material. The compressive strength will be determined by a set of three (3) 6 inch x 12 inch cylinders. The content of the prepackaged material shall be mixed with water as recommended by the manufacturer or to produce a slump of 2 to 5 inches. The resulting compressive strength shall meet the requirements of Class R concrete conforming to Section 901.

Drop tests for prepackaged sacks shall be hand-dropped five times in accordance with ASTM D 5276.

The unfilled sack will be evaluated for permeability, strength, method of tying or stitching the ends, and dimensions.

### Field Evaluation

The Department may require a field evaluation to ensure satisfactory installation and performance of the material prior to placement on the Approved Materials List (AML). The manufacturer will be notified in regards to the quantity of material needed and location of the installation. The manufacturer will not be responsible for placing the revetment; however, it would be to the manufacturer's benefit to have a representative present during the installation. Performance will be accepted based upon ease of installation, ability to sufficiently saturate material, and the durability of the material under field installation.

### Evaluation Time (6 Months)

## **GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the AML. The DOTD Materials and Testing Section Coordinator shall be notified in writing of any change from the original material submittal. The Department reserves the right to re-evaluate any material at any time.

It is also the manufacturer's responsibility to supply the contact information of the representative responsible for the material to the Materials Section Coordinator to remain on the AML. This is done by completing the Approved Materials Evaluation Form every two (2) years or when there is a change in the manufacturing representative responsible for the material.

**PROJECT ACCEPTANCE REQUIREMENTS:**

The inclusion of any material on the AML is not blanket approval for its use. All materials, regardless of prior approval, shall be sampled in accordance with the Materials and Sampling Manual.

**DISQUALIFICATION AND REMOVAL:**

Any material may be removed from the AML for non-conformance with specifications or performance requirements, or failure to notify the Department of any changes in material formulation.

- Non-conformance with specifications
- Performance requirements
- Failure to notify the Department of any change in material formulation
- Failure of the supplier to provide proper certifications as required by this procedure
- Failing test results obtained by the Materials Section of project verification samples
- Failure to supply current contact information for the material representative in accordance with this procedure

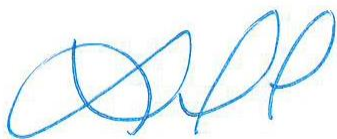
**REQUALIFICATION:**

Any material which has been disqualified and removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and removal have been resolved.

**DOTD MATERIALS AND TESTING SECTION COORDINATOR:**

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4/4/2022

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