

QPL 15: PRE-PACKAGED CONCRETE MIXTURE

GENERAL

This evaluation procedure outlines the Department's approval process for pre-packaged concrete mixture. The use of this material is limited to minor structures and quantities that do not exceed 2 cubic yards per day.

SPECIFICATIONS

- TDOT Standard Specifications Section 604.03B
- AASHTO T22 – Compressive Strength of Cylindrical Concrete Specimens
- ASTM C387 – Standard Specification for Packaged, Dry, Combined Materials for Concrete and High Strength Mortar

PROCEDURES

A completed Product Evaluation Form, safety data sheet (if applicable), product data information, and test results from an independent laboratory.

The pre-packaged concrete mixture shall be in general conformance with ASTM C387 with the following exceptions:

- The product shall be extended with a course aggregate with size fractions of 3/8-inch or larger.
- The 7- and 28-day compressive strength test results shall be reported.
- The strength requirements are as follows:

Age	Compressive Strength (psi)
7 days	For Information Only
28 days	4000

Additional Requirements

- The use of a mechanical mixing machine is required.
- The concrete must be mixed in accordance with the manufacturer's recommendations.
- The Pre-Packaged Concrete Mixture selected for use by the contractor must meet the design strength on the contract plans.