

# **QPL 4 AIR-ENTRAINING AND CHEMICAL ADMIXTURES FOR CONCRETE**

## **SECTION A. AIR-ENTRAINING ADMIXTURES**

### **PROCEDURES**

#### **GENERAL**

This evaluation procedure outlines the Department's approval process for air-entraining admixtures used to enhance or modify the properties of portland cement concrete.

#### **SPECIFICATIONS**

TDOT 921.06 A.2

#### **PROCEDURES**

A completed Product Evaluation Form, MSDS sheets, if applicable and product data information must be submitted to the Division of Materials and Tests.

The manufacturer shall also submit 56 day test data from a certified laboratory along with a certified letter stating that the product meets the above specifications.

## **SECTION B. CHEMICAL ADMIXTURES**

### **PROCEDURES**

#### **GENERAL**

This evaluation procedure outlines the Department's approval process for chemical admixtures used to enhance or modify the properties of portland cement concrete.

This procedure applies to the following chemical additives used in concrete on Tennessee highway projects.

Type:

- A. Water Reducing Admixtures
- B. Retarding Admixtures
- C. Accelerating Admixtures
- D. Water Reducing and Retarding Admixtures
- E. Water Reducing and Accelerating Admixtures
- F. Water Reducing High Range Admixtures
- G. Water Reducing, High Range, and Retarding Admixtures
- S. Type S Admixtures

#### **SPECIFICATIONS**

TDOT 921.06 A1  
AASHTO M 194

#### **PROCEDURES**

A completed Product Evaluation Form, MSDS sheets, if applicable and product data information must be submitted to the Division of Materials and Tests.

The manufacturer shall also submit one-year test data from a certified laboratory along with a certified letter stating that the product meets the above specifications.

## **SECTION C. CHEMICAL ADMIXTURES FOR PRECAST CONCRETE**

### **PROCEDURES**

#### **GENERAL**

This evaluation procedure outlines the Department's approval process for chemical admixtures for precast concrete.

#### **SPECIFICATION**

Must be reviewed by the Division of Materials and Tests

#### **PROCEDURES**

A completed Product Evaluation Form, MSDS sheets, if applicable and product data information must be submitted to the Division of Materials and Tests.

## **SECTION D. MISCELLANEOUS CHEMICAL ADMIXTURES FOR CONCRETE**

### **PROCEDURES**

#### **GENERAL**

This evaluation procedure outlines the Department's approval process for chemical admixtures for precast concrete.

#### **SPECIFICATION**

Must be reviewed by the Division of Materials and Tests

#### **PROCEDURES**

A completed Product Evaluation Form, MSDS sheets, if applicable, product data information must be submitted to the Division of Materials and Tests.