

3113 ADMIXTURES FOR CONCRETE

3113.1 SCOPE

Provide admixtures for use in concrete applications.

3113.2 GENERAL

Provide admixtures in accordance with the following:

A Class I — Accelerating, Retarding, and Water-Reducing Admixtures

- (1) Type A — Water-reducing
- (2) Type B — Retarding
- (3) Type C — Accelerating
- (4) Type D — Water-reducing and retarding
- (5) Type E — Water-reducing and accelerating
- (6) Type F — Water-reducing, high range
- (7) Type G — Water-reducing, high range and retarding
- (8) Type S — Specific performance admixtures

B Class II — Air-Entraining Admixtures

C Class III — Calcium Chloride

3113.3 REQUIREMENTS

A Materials

Provide Class I admixtures from the Approved/Qualified Products List meeting the requirements of ASTM C 494.

Provide Class II admixtures meeting the requirements of AASHTO M 154, except the tests for bleeding, bond strength, and volume change are not required.

Provide Class III admixtures from the Approved/Qualified Products List meeting the requirements of AASHTO M 144.

B Acceptance

Submit certified test reports including a print of the materials safety data sheet (MSDS), infrared spectrum and one-quart sample for the proposed Class I or Class II admixture from a CCRL Laboratory for each admixture. The Department will use the certified test results to determine if the admixtures meet the requirements of this section.

3113.4 SAMPLING AND TESTING

Take samples as specified in the Schedule of Materials Control.

The Department may perform tests on samples taken from the product proposed or on samples submitted and certified by the manufacturer as representative of the admixture to be supplied.