

Part 642 – Specifications

Chapter 3 – National Standard Material Specifications

Material Specification 533—Chemical Admixtures for Concrete

A. Scope

This specification covers the quality of chemical admixtures for manufacturer of Portland cement concrete.

B. Quality

- (1) Air-entraining admixtures shall conform to the requirements of ASTM C260.
- (2) Water-reducing and/or retarding admixtures shall conform to the requirements of ASTM C494, Types A, B, D, F, or G.
- (3) Plasticizing or plasticizing and retarding admixtures shall conform to ASTM C494, Types F or G.
- (4) Accelerating or water-reducing and accelerating admixtures shall be noncorrosive and conform to the requirements of ASTM C494, Types C and E. The manufacturer shall provide long-term test data results from an independent laboratory verifying that the product is noncorrosive when used in concrete exposed to continuously moist conditions.