

1715 – CONCRETE MASONRY COATING

SECTION 1715

CONCRETE MASONRY COATING

1715.1 DESCRIPTION

This specification covers cement based polymer or acrylic polymer water seal for use in coating and sealing the exterior face of exterior prestressed concrete beams, joints between concrete overlays, bridge curb faces, masonry and other applications as stated in the Contract Documents.

1715.2 REQUIREMENTS

Provide materials with the following properties:

- Coats and waterproofs concrete and masonry.
- Does not produce a vapor barrier (breathes).
- Is thermally compatible with portland cement mortar and concrete.
- Exhibits no chalking, checking, cracking, scaling, blistering or other deleterious effects after 5000 hours in a Xenon Arc Light Apparatus. (ASTM G 155).
- Color is to be gray to retain a natural concrete appearance, unless otherwise specified in the Contract Documents.

1715.3 TEST METHODS

As specified in ASTM G 155 for the Xenon Arc Light Apparatus only.

1715.4 PREQUALIFICATION

All concrete masonry coatings must be prequalified. Manufacturers interested in prequalifying material under this specification must submit the following to the Bureau of Materials and Research:

- A complete description, technical data, and set of instructions and recommendations.
- A copy of test results from an independent laboratory regularly inspected by a national reference organization (CCRL, AMRL, etc) confirming the various properties outlined above.
- Material Safety Data Sheets (MSDS).

The Bureau of Materials and Research will maintain a list of qualified materials. Products will remain on the list as long as field performance is satisfactory.

1715.5 BASIS OF ACCEPTANCE

Prequalification as specified in **subsection 1715.4**.

Receipt and approval of a Type C certification as specified in **DIVISION 2600**.

Visual inspection by the Field Engineer.