

## **07900: JOINT SEALANTS**

### **WARRANTIES**

General: Joint sealants shall be repaired or replaced that fail to achieve airtight and watertight seal or otherwise fail to perform as intended because of leaking, crumbling, hardening, shrinkage, bleeding, sagging, staining, loss of adhesion or cohesion, or do not cure within the specified warranty periods.

Contractor: 5 years.

Manufacturer: 20 years.

### **QUALITY ASSURANCE**

Work shall comply with ASTM C1193.

Preconstruction Field-Adhesion Testing: Before installing elastomeric sealants, field test their adhesion to Project joint substrates as follows:

Locate a mock-up test joint.

Conduct field tests for each type of elastomeric sealant and joint substrate indicated.

Notify Architect seven days in advance of dates and times when test joints will be erected.

Arrange for tests to take place with Owner's Representative and joint-sealant manufacturer's technical representative, if available, present.

Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1 in ASTM C1193 unless other method included in Appendix of ASTM C1193 is more appropriate.

For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.

For sealants that fail adhesively, retesting shall be done until satisfactory adhesion is obtained.

Contractor shall submit written report whether sealant in joint connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Data on pull distance used to test each type of product and joint substrate shall be included in report.

Evaluation: Sealants not evidencing adhesive failure from testing, in absence of other indications of noncompliance with requirements, will be considered satisfactory.

Sealants that fail to adhere to joint substrates during testing shall not be used.

Joint profile shall shed water.

User primer prior to application of sealant.

END OF 07900