

University of Vermont

Facilities Design Standards

Division 07 - Joint Sealants

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- c. ASTM C1589, Standard Practice for Outdoor Weathering of Construction Seals and Sealants
    - i. Where possible, select sealants that comply with ASTM C1589 for better ability to withstand weathering than those that comply with ASTM C793 (Standard Test Method for Effects of Laboratory Accelerated Weathering on Elastomeric Joint Sealants).
  - d. ASTM C664 Standard Test Method for Indentation Hardness of Elastomeric Type Sealants by Means of a Durometer
  - e. ASTM C834 Standard Specification for Latex Sealants
  - f. ASTM C919 Standard Practice for Use of Sealants in Acoustical Applications
  - g. ASTM C1248 Standard Test Method for Staining of Porous Substrate by Joint Sealants
  - h. ASTM C1311 Standard Specification for Solvent Release Sealants
  - i. ASTM C1330 Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants
  - j. ASTM C1521 Standard Practice for Evaluating Adhesion of Installed Weatherproofing Sealant Joints
  - k. ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials; 2015.
  - l. ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
  - m. SCAQMD 1168 Adhesive and Sealant Applications
  - n. UL 263 – Standard for Fire Tests of Building Construction and Materials; Current Edition, Including Revisions.
  - o. 40 CFR Subpart-D National Volatile Organic Compound Emission Standards for Architectural Coatings
3. Required Submittals
- a. Product Data Manufacturer's data including instructions, recommendations, and restrictions
  - b. Primers Submit information on primer to be used for each sealant and substrate. Initial Selection Samples Minimum 2 inches long.
  - c. Field Test and Inspection Reports Submit written reports for tests and inspections. Field sealant tests and inspections shall be provided by the Owner



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- v. Avoid tooling with water, soap solutions, alcohol, or solvents.
- vi. Masking and temporary protection shall be removed when sealant has cured.
- vii. Spilled and excess sealant shall be removed.
- viii. Sealant joints generally have a 2:1 width to depth ratio to accommodate movement. Review manufacturer's recommendations for joint types and location and indicate acceptable width to depth ratios for selected products.
- ix. All sealant substrates need to be properly prepared to achieve long performance. Cleaning and priming shall be specified and confirmed in the field as required by joint location, type, and purpose.
- x.