

STANDARD SPECIFICATION
JANUARY 2010

DIVISION 7

SECTION 7D WEATHER-STRIPPING, SADDLES AND CAULKING

7D.01 GENERAL: Comply with all of the Contract Documents.

7D.02 SCOPE OF WORK: Refer to "Division Scope of Work"

7D.03 WORK NOT INCLUDED

A. The following items are excluded from the work of this Section:

1. Marble Saddles - Section 9C.

7D.04 MATERIALS

A. Weather-stripping for Doors

1. Head and Jamb - shall consist of closed cell sponge neoprene strip, 3/16" x 1/2" in extruded aluminum housing retainer. Weather-stripping shall be No.312 as manufactured by Zero Weather-stripping Company, Inc. or approved equal by Architect/Engineer.
2. Sill - shall consist of extruded aluminum housing retainer for securing solid neoprene strip 1/8" x 1 3/8". Weather-stripping shall be No.339 as manufactured by Zero International, or approved equal by Architect/Engineer.

B. Saddles for interior doors shall be fluted, extruded aluminum 1/2" x 7" x full width of door, No.6570A as manufactured by Zero International or approved equal. Saddles for exterior doors shall be fluted abrasive cast aluminum 1/2" x 7" x full width of door, No. 6570A-E as manufactured by Zero International or approved equal.

C. Sealant.

1. Caulking for all exterior windows and doors, copings etc.
 - a. Caulking (sealant) shall be one (1) component urethane non-sag (gun grade) material and shall meet the requirements of Federal Specification No. TT-S-00230- C, Type II, Class A unless Type I is recommended by manufacturer.
 - b. Caulking shall be as manufactured by the following or approved equal as determine by Architect/Engineer: Sonolastic NPI, Sonnebarn Building Products, 711Computer Avenue, Minneapolis Minn 55435. Sikoflex -1a, Sika Chemical Corp. P.O. Box 297, Lyndhurst. N.J. 07071.

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2. Caulking for bathtubs, shall be Silicone Rubber Base: Complying with FS TT-S-1543A.
3. Caulking for kitchen counter tops to wall tile, shall be Polyurethane Base: Complying with FS TT-S-00230C

7D.05 INSTALLATION AND WORKMANSHIP

A. Sealant.

1. Complying with manufacturer's printed instructions except where more stringent requirements are shown or specified and except where manufacturer's technical representative directs otherwise.
2. Prime or seal the joint surfaces wherever shown or recommended by the sealant manufacturer. Do not allow primer/sealer to spill or migrate onto adjoining surfaces.
3. Employ only proven installation techniques, which will ensure that all work will be deposited in uniform, continuous ribbons without gaps or air pockets, with complete "wetting" of the joint bond surfaces equally on opposite sides. Except as otherwise indicated, fill sealant rabbet to a slightly concave surface, slightly below adjoining surfaces. Where horizontal joints are between a horizontal surface and a vertical surface, fill joint to form a slight cove, so that joint will not trap moisture and dirt.
4. Install work to depths as recommended by the sealant or filler manufacturer.
5. Spillage: Do not allow sealant or compounds to overflow or spill onto adjoining surfaces, or to migrate into the voids of adjoined surfaces including rough textures such as exposed aggregate panels. Use masking tape or other precautionary devices to prevent staining of adjoining surfaces, by either the primer/sealer or the sealant/caulking compound.
6. Remove excess and spillage of compounds promptly as the work progresses. Clean the adjoining surfaces by whatever means may be necessary to eliminate evidence of spillage. Do not damage the adjoining surfaces or finishes.
 - a. Cure sealant and caulking compounds in compliance with manufacturer's instructions and recommendations, to obtain high early bond strength, internal cohesive strength and surface durability.
7. Clean joint surfaces immediately before installation of sealant or caulking compound. Remove dirt, insecure coatings, moisture and other substances, which would interfere with bond of sealant or caulking compound.
8. The installer must examine the joint surfaces, backing and anchorage of units

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forming sealant rabbet, and the conditions under which the sealant work is to be performed, and notify the contractor in writing of any condition detrimental to the proper and timely completion of the work. Do not proceed with the sealant work until unsatisfactory conditions have been corrected in a manner acceptable to the Installer.

9. The joints of the existing parapet copings to remain shall be carefully examined and where found defective shall have the defective caulking removed. The joints shall then be caulked applied by hand pressure gun. The caulking shall tooled and finished with a mushroom type joint.
10. In joints where the depth of the joint exceeds the required width of sealant, install backer rods. After primer is dry, provide a backing and proper joint shape for sealant.

B. Weather-stripping

1. Install thresholds and weather-stripping in strict accordance with manufacturer's recommendations.
2. Fasteners to be compatible to materials to which they come into contact. Cadmium plated fasteners shall be used on all exterior applications.
3. Secure jamb and head weather-stripping 6" maximum on center.
4. Set saddles and secure to concrete with four 1/4" diameter cadmium plated bolts in expansion shields drilled into concrete. Not less than three (3) per saddle.
5. Saddles to be set in full bed of caulking for all exterior installations.

7D.06 SUBMITTALS

- A. Submit catalog cuts of all materials specified herein for Architect's/Engineer's approval.
- B. Submit manufacturer's printed instructions for application of caulking and sealant compounds to Architect/Engineer.
- C. Submit certifications for all materials.

7D.07 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION