

SECTION 079200 – Caulking & Sealants

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes: Use of caulking material as the interior seal in the Wet-Flash liquid applied flashing system as specified in section 076500.

1.2 SUBMITTALS

A. Product Data

1. Submit manufacturer's literature for caulking sealant material

1.3 RELATED SECTIONS

A. Section 076500 – Flexible Flashing

1.4 DELIVERY, STORAGE AND HANDLING

A. Comply with requirements in Manufacturer's written instructions.

B. Deliver materials to site in unopened containers with visible labels.

C. Storage and Protection:

1. Store products within manufacturer's required temperature and humidity ranges.

2. Prior to use, condition products within manufacturer's required temperature and humidity ranges.

1.5 PROJECT CONDITIONS

A. Environmental Requirements:

1. Apply sealant when the following are within the manufacturer's limits during and for 4 hours after sealant installations:

- a. Ambient and surface temperatures.

- b. Relative humidity.

2. Do not apply to surfaces with standing water or frozen.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Building Envelope Innovations (BEI) – Clackamas, OR 503-972-2305

2.2 MATERIALS

- A. Caulking / Sealant Material:
 1. BEI WS-7100

PART 3 – EXECUTION

3.1 PREPARATION

- A. Prepare surface per manufacturer's requirements.
- B. Remove loose materials and matter, which may impair adhesion of sealant to substrate.

3.2 INSTALLATION

- A. General:
 1. Comply with manufacturer's requirements.
 2. Seal to prevent migration of water, vapor and air through joints.
 3. Comply with manufacturer's required application temperature and humidity ranges.
- B. Sealant Backer Rod:
 1. Comply with manufacturer's requirements.
 2. Measure joint dimensions and size materials to achieve manufacturer's required depth to width ratios.
 3. Install to achieve sealant depth and sealant contact depth no greater than distance required by manufacturer for sealant material, joint width, and joint movement ranges.
 4. Install to provide optimum joint profile and in a manner to provide not less than ¼" sealant depth when tooled.

5. Replace backer rod materials, which have become wet with dry materials prior to sealant application.

C. Sealant:

1. Comply with manufacturer's requirements.
2. Install sealant at same time as installation of backer rod.
3. Install sealant with pressure operated devices to form a uniform continuous bead.
4. Install to adhere to both sides of joint.
5. Install sealant free of air pockets and embedded matter.
6. Tool sealant within manufacturer's instruction and time limits.
7. Produce smooth exposed surface.
8. Tool sealant free of air pockets, voids and embedded foreign matter.
9. Achieve full sealant contact and adhesion to substrates.
10. Form a concave tooled joint shape indicated in Section A of Figure 5 of ASTM C1193.

3.3 CLEANING

- A. Clean excess sealant from adjacent surfaces as application progresses.

3.4 QUALITY CONTROL

- A. General Contractor to continually review and supervise installation of sealant material for use as the interior seal in the Wet-Flash system.
- B. Verify specified sealants are fully compatible with all substrates where used.

END OF SECTION