

IAS Series

Required Tools: Tape measure, Sharp knife, Miter saw, Blue painters, Clean cloth, Isopropyl Alcohol, Caulking gun, Putty knife blunt and Trowel.

Material Sizing: Joint must be sized every 5'-7' to ensure gap opening is uniform and depth is sufficient for the supplied material.

NOTE: Allow sufficient depth for the material to be recessed 1/8" - 1/4".

Fig. 1

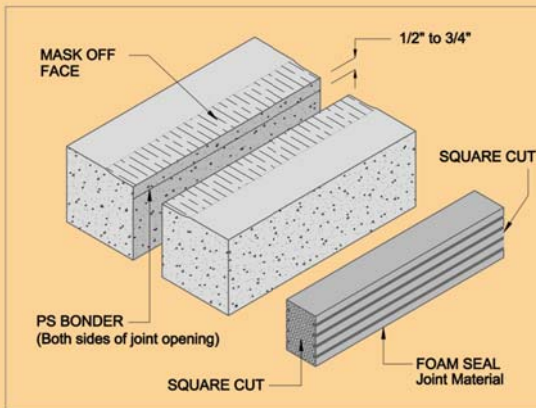


Fig. 2

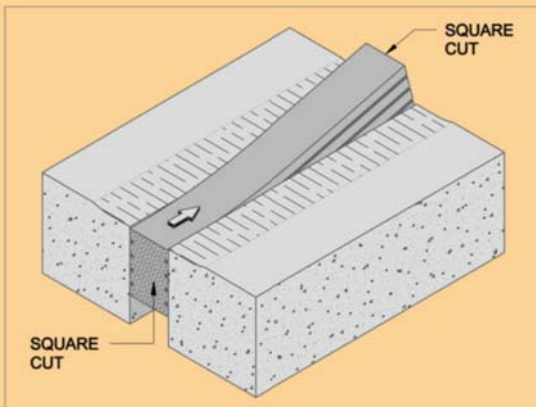
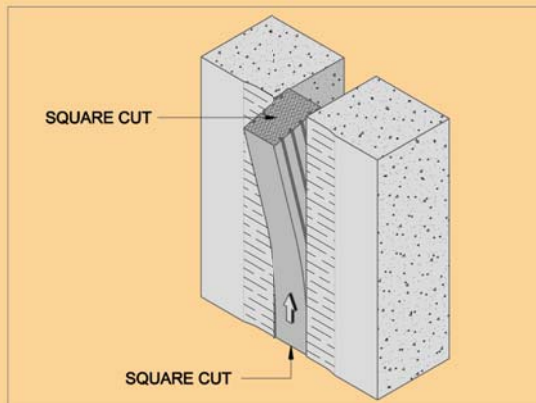


Fig. 3



Material Preparation:

1. Store the material at a minimum of 68 deg. F for at least 24 Hrs. before the installation, regardless of the temperature at site.
2. Store the materials in a dry enclosed area. Keep materials off the ground and out of direct sunlight.
3. Use a miter saw to cut the material. All starting & ending pieces must be square to the terminating point.

Joint Preparation: (See Fig. 1)

1. Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the **PS BONDER**.
Use compressed air to clear any loose debris from the joint. Apply water or alcohol to a clean cloth and wipe the joint walls to a depth of 1" below the **PS BONDER**.
2. Remove all surface contaminants and grits using 100 grit sandpaper or mechanical grinding tool such as highly abrasive diamond wheel.
3. Remove all debris from joint area using vacuum/compressed air.
4. Check the material for length, width and depth. Supplied material should be approximately 25% larger but never less than 12% larger than the intended opening. Joint depth must allow for the installed material to be recessed 1/8" - 1/4" from the joint face.

PS BONDER Installation:

1. Apply a 1/4" bead of **PS BONDER** along both sides of the substrate wall. Hold the adhesive 1/2"-3/4" back for the surface of the joint substrate. The **PS BONDER** will also act as lubricant during installation.

NOTE:

When a continuous joint cannot be finished, **PS BONDER** on the substrate should stop at the last stick installed. Until the next piece of material is ready to be installed. For foam joints, depth of 4" or greater, run two beads of **PS BONDER** along both walls of the joint, one near the surface and other 2" deeper. This will provide greater bond strength required for wider joints. Follow normal procedure for the rest of the installation.

2. Verify that the material is cut square at both ends for proper seams. All pieces must be square at termination point. Begin installing the material by inserting one side of the seal approximately 1" into the joint.



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Fig. 4

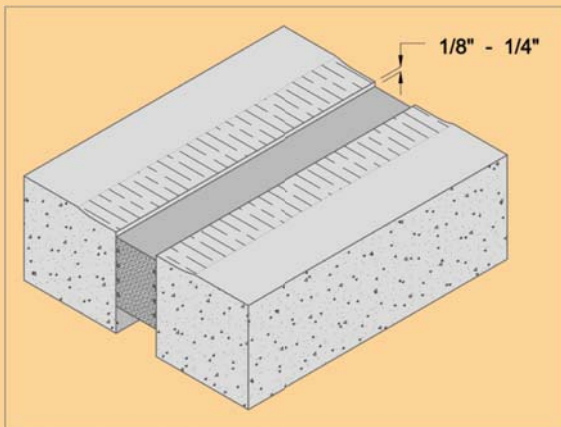


Fig. 5

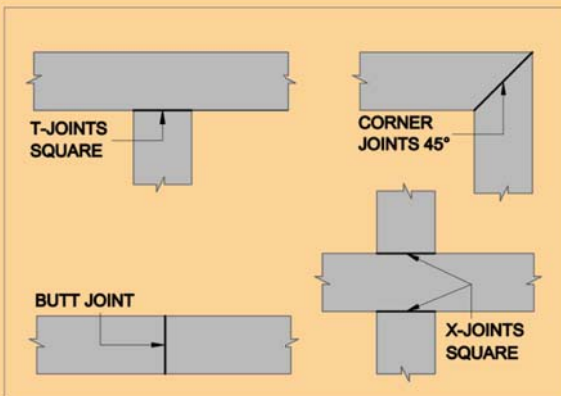
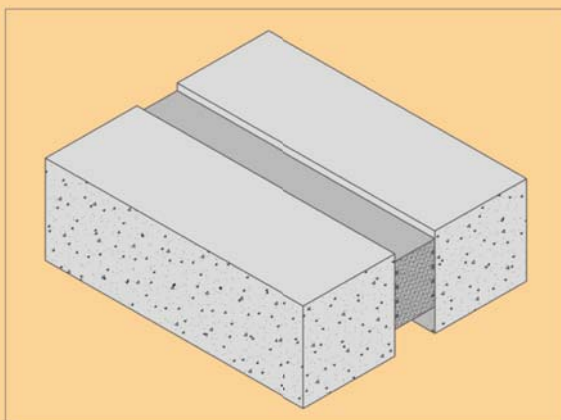


Fig. 6



- For Joints that run horizontal, begin installing the material at one side of the joint (either side) and continue to install the material working towards the opposite end. (See Fig. 2)
For vertical joints, begin installation at the bottom of the joint and work upward.(See Fig. 3)

Material Installation:

NOTE:

Do not excessively push or pull the material, as this will stretch the material resulting in the possible damage. Use a blunt putty knife, hand or flat tooling to compress the opposite side of the material and slide it into the joint.

- Compress the material into the joint until the sides are approximately 1/8"-1/4" back from the joint surface. (See Fig. 4).
- Excess bonding agent is removed from the surface of the expansion joint material immediately after installation of the joint material and before **PS BONDER** becomes tacky.
- Bonder is scraped off the surface using a margin Trowel.
- Concrete and joint material can be cleaned with denatured alcohol to remove remaining bonding agent.

SEAMS - (See Fig. 5)

- Add approximately 1/2"-1" extra material at seams and splices to ensure that the seam is in compression after installation.
- Verify that the new piece of material is cut square and not at an angle to the previous material installed.
- All seams are to heat welded. Pre-heat splicing iron to a temperature of 375-400 degrees. Weld the butt end of each piece of material together.
- In case of mitered corners, **T** and **X** shaped joints should be preassembled prior to installation.
- Apply a bead of **PS BONDER** on both joint walls inset 1/2"-3/4" as described in **PS BONDER** installation.

IAS Series is now installed. (See Fig. 6)

