Installation Instructions
1200 Series Foam Seal Joint System

These instructions are intended as recommended guidelines. Due to the variability of field conditions, selection of the proper material for the intended application and installation are the sole responsibility of the applicator. The manufacturer's published installation procedures shall be followed at all times.

Recommended Tools:
Tape Measure, Sharp Knife, Hand Mitre Saw, Blue Painters Tape, Mineral Spirits, Clean Cloth, Isopropyl Alcohol or Acetone, Caulking Tool, Wood Wedges.

Material Sizing:
Joints must be sized every 5-7 feet 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" in the joint.

Material Preparation:
Tip: Material will expand faster when hot and slower when cold. In cold temperatures, store material in a heated area 24 hours prior to installation. In hot temperatures, store material out of direct sunlight and not in an enclosed storage container where temperatures may exceed 100°F.

1. Store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.
2. Store materials in a dry, enclosed area. Make sure materials are off the ground and out of direct sunlight.
3. Use a mitre saw to make any cuts to the seal before removing the clear shrink packaging. All starting and ending pieces must be square to the termination point.

WARNING: Install the material directly after removing the shrink packaging to ensure the material does not expand past the joint.

4. Use a sharp knife to make any cuts after the clear shrink packaging and wooden boards have been removed.

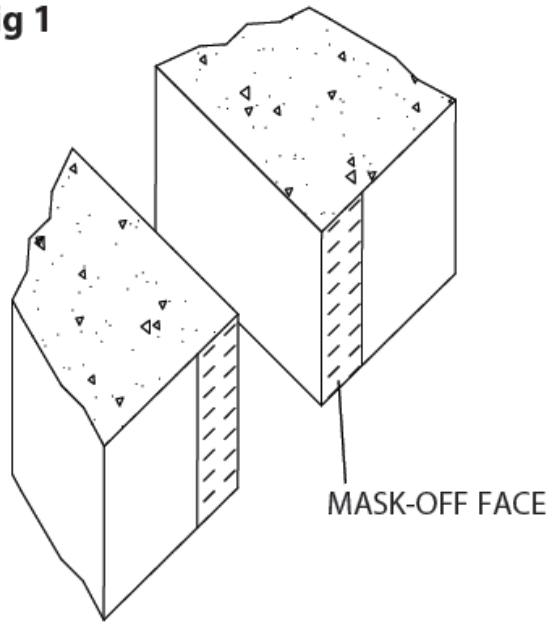
Tip: Apply mineral spirits to the knife for a smoother cut.

Joint Preparation:
1. Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant. Use compressed air to clean any loose debris from the joint. Apply water or alcohol to a clean cloth and wipe the joint walls to the depth of the sealant material plus 1".
2. Verify that the joint is uniform and repair any spalls prior to installation.
3. Apply blue painters tape to both edges of the substrate face to prevent the silicone from contacting the deck surface.
4. Check the material for appropriate length, width, and depth. Supplied material should be approximately 25% larger but never less than 12% larger than the intended joint opening. Joint depth must allow the installed material to be recessed 1/8"-1/4" from the joint face.

Important Note on Pre-Compressed Foam Seal

1. Material is made to order, Keeping Pre-Compressed foam seals in storage for longer than 2 weeks will greatly increase the amount of time required for the foam seal to reach maximum expansion.
2. NOTE: Material may take up to 72 hrs to fully expand.

Fig 1



Installation - See Fig. 1

1. For vertical joints, begin installation at the bottom of the joint and work upward. The installed sticks will support the subsequent sticks until the material fully expands.

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Fig 2

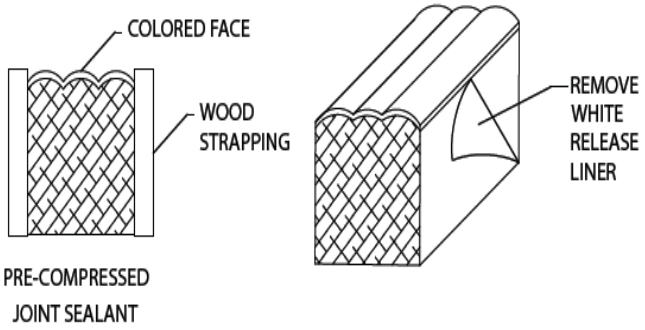


Fig 3

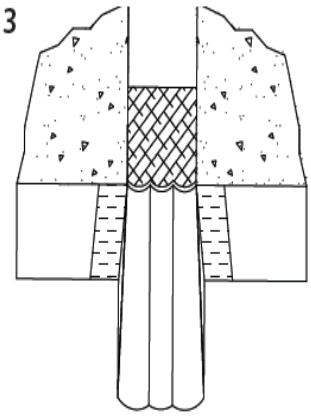


Fig 3a

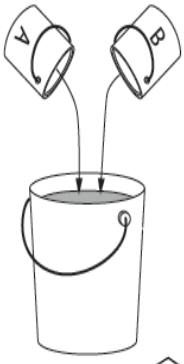


Fig 4a

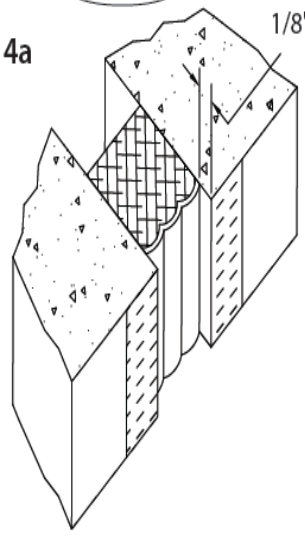
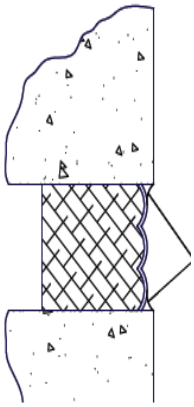


Fig 4b



See Fig. 2

1. When fully prepared to install, open the sealant material by cutting the shrink packaging along the edge of the Masonite strapping.

   Warning: Do not cut the coloured face of the material, and be prepared to install the material immediately once the packaging is removed to prevent the material from expanding past the joint width.

2. Verify that the material is cut square at both ends for proper seams. All pieces must be square to the termination point.

3. Remove the white release liner on both sides of the seal.

   Warning: Do not twist or pull the material to avoid tearing the white release liner.

See Fig. 3

1. When the joint is 6" or above, install the foam with epoxy. Read cans for mixing instructions. Pot life is 30 minutes, only mix one kit at a time, and always mix a full kit. **See Fig. 3a.** Apply epoxy to sides of the substrate inside the throat of the joint. Use trowel, brush, or gloved hand to apply epoxy.

2. Place the material into the joint while gently pushing the pressure sensitive adhesive (PSA) up against one side of the joint. Allow the material to expand and fill the joint. Note: If the PSA is hampering installation, use a spray bottle to wet the adhesive surface of the seal (will not affect the final sealing properties). Installed material to be recessed 1/8"-1/4" from the joint face.

   NOTE: For every +17°F [9.5°C] epoxy cures twice as fast; while every -17°F [9.5°C] epoxy cure time doubles.

   WARNING: Never thin the epoxy

   NOTE: Epoxy will harden faster when left in the mixing pot, because of that; apply epoxy to the joint as soon as possible to slow the curing time.

See Fig. 4a

WARNING: Allow 72 hours for full expansion and material equalization. Expansion and equalization rates are affected by temperature.

1. Silicone coating should be flush with, not protruding above, the substrate surface. **See Fig. 4b.**

Fig 5

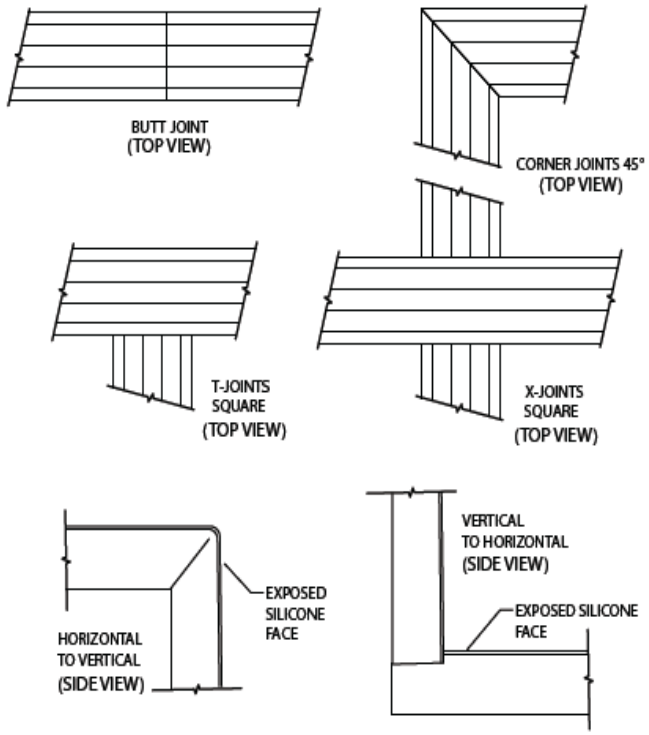
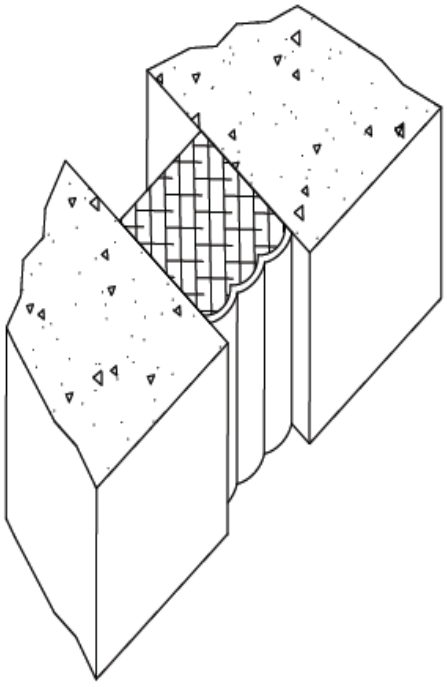


Fig 6



Seams-See Fig. 5

1. Verify that the new piece of material is cut square and not at an angle to the previous material installed.
2. Apply silicone to the butt end of the new piece of material.
3. Overlap extra material (approximately 1/2"-1") at seams and splices to ensure that the seam is in compression after installation.
4. “T" and “+" Intersections:

   Install horizontal material first. Butt the vertical material up to the horizontal material following steps 1+2.

   NOTE: After installation, if there are any mitred joints with a hole or a void use the supplied silicone to fill and seal the joint.
5. Horizontal To Vertical Intersections:

   Begin the installation at the horizontal condition. At the point of transition cut a V-notch in the back of the foam seal, making sure not to cut through the face of the seal. Fold foam seal downward, and continue installation.
6. Vertical to Horizontal Intersections:

   Starting at one end, cut the silicone face of the horizontal foam seal to create a matching notch for the vertical seal to seat in. Install horizontal seal, then continues installing vertical seal.
7. Use the matching silicone to run a bead along each edge of the joint to fill any irregularities in the substrate.

   NOTE: Seal does not require an external fillet bead to provide a watertight seal.

Finish- See Fig. 6

1. Tool the silicone over all seams and transitions using a small caulking tool.
2. Evenly spread the silicone on exposed seams to allow for a clean, aesthetic finish.
3. Remove any excess silicone left on the surface of the material or substrate.

   WARNING: Do not allow the silicone to cure before removal.
4. Remove the blue painters tape from the substrate surface.