CSCR-Series (Chemical Resistant)

INSTALLATION INSTRUCTIONS

Foam Seal Systems

Material Application

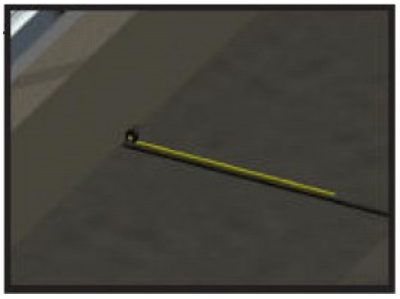
For use in **horizontal and vertical joints**.

Recommended Tools

- Tape Measure
- Sharp Knife
- Miter Saw
- Duct Tape
- Clean Cloth
- Isopropyl Alcohol
- Caulking Tool
- Jiffy Mixer
- Margin Trowel
- Mineral Spirits
- 2 Empty, Clean Containers

Material Sizing

1. Joints must be sized every 5-7 feet (1.524-2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material. Allow sufficient depth for the material to be recessed 1/8”-1/4” in the joint.

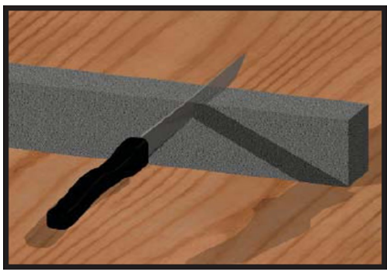


Material Preparation

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. (Refer to the SEAMS section for further instruction on preparing the material for proper seam installation.) **Substrate** is to be 50 degrees or higher for installation.

3. Use a miter saw to make any cuts to the CSCR before removing the clear shrink packaging. All starting and ending pieces must be square to the termination point.



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

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

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Joint Preparation

1. Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
    a. Use compressed air to clean any loose debris from the joint.
    b. Apply water or alcohol to a clean cloth and wipe the joint walls to the depth of the sealant materials plus 1".

2. Verify that the joint is uniform and repair any spalls prior to installation.

3. Apply duct tape to both edges of the substrate face to prevent the epoxy from contacting the deck surface.

4. Check the material for appropriate length, width, and depth.
    a. Supplied material should be approximately 25% larger but never less than 16% larger than the intended joint opening or greater than 38% oversized.
    b. Joint depth must allow for the material to be recessed ¼" from the substrate surface.

Epoxy Preparation

1. Mix Part A and Part B separately.

2. Transfer the entire contents of Part A (resin) and then Part B (hardener) into a clean, empty container. Mix the material thoroughly with a low speed (approx. 300 rpm) drill or jiffy mixer.

    WARNING: Part B must always be added to Part A, and mixed in a 1:1 ratio.

3. Mix until the black and white is evenly blended leaving no streaks of either color.

4. Transfer the mixture to another clean container to avoid any leftover residue from streaking the final mixture.

    TIP: Mix only the required amount of epoxy that will be used within a 30 minute timeframe to prevent the epoxy from curing prematurely.

EPOXY TIPS:

1. The epoxy will not cure when the temperature is below 40°F.
2. For every +17°F the epoxy cures twice as fast.
3. For every -17°F the epoxy cures twice as slow.
4. Greater volume = less time to cure.
5. Smaller volume = more time to cure.
6. A technique to increase the pot life of the epoxy is to split up the mixed material into smaller units.

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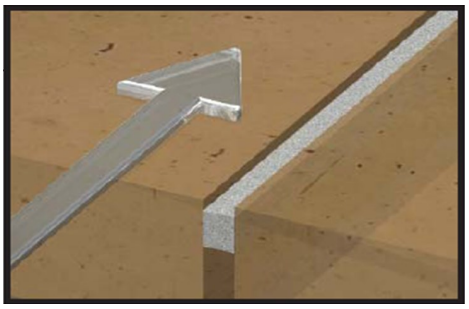
Sealant Installation

1. Begin installation at one end of the joint and work to the opposite end using butt seams.



2. When fully prepared to install, apply a 1/16" – 1/8" coating of the epoxy mixture to both joint walls using a 1" margin trowel to a depth of the sealant material plus ½".

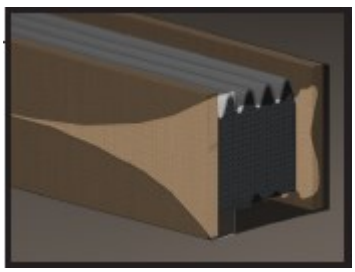
   a. The epoxy must still be wet upon installation of the seal. The working time for the epoxy is approximately 30 minutes depending on the temperature

   b. If the epoxy hardens on the surface of the substrate before installation, another coat of epoxy can be applied within 8 hours. After 8 hours, the substrate surface must be abraded to eliminate the amine blush that occurs during final cure.

   Note: When a continuous joint cannot be finished, the epoxy on the substrate should stop at the last stick installed and epoxy should not be applied to the end of the installed material until the next piece of material is ready to be installed.

WARNING: Pay attention to the direction of insertion marked on the packaging.

3. Cut the shrink packaging along the edge of the Masonite strapping.



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

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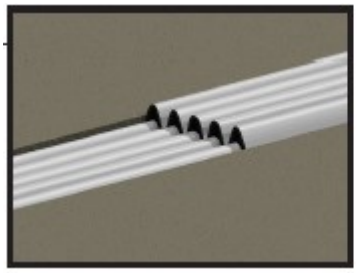
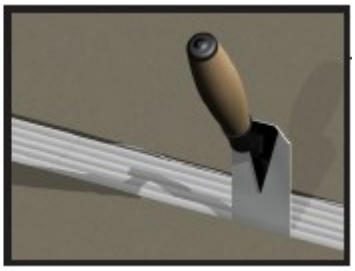
Sealant Installation

5. Remove the white release liner on both sides of the seal. Make sure not to pull, twist or stretch the material in the process of installation to avoid tearing the white release liner.

6. Initially, position the CSCR 1/8" above the deck surface. Once the material is partially expanded in the joint, it can then be installed to 1/4" below the surface of the joint using a putty knife or margin trowel.

   NOTE: Wedges can be used to aid installation. Remove the wedges once the material begins to expand and before the epoxy cures.





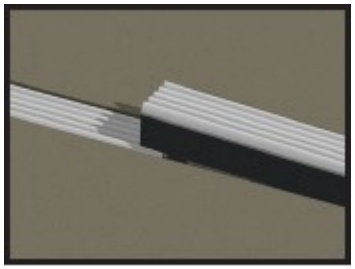
Seams

1. Verify that the new piece of material is cut square and not at an angle to the previous installed piece.

2. Apply flexible seal to the butt end of the new piece of material.

   WARNING: Do not apply flexible seal to the faces of CSCR that are in contact with epoxy.

3. Overlap extra material (approx. 1/2" - 1") at seams and splices to ensure that the seam is in compression after installation.



4. Butt seam all "T" and "+" intersections. After installation, if there are any mitered joints with a hole or void, use the supplied flexible seal to fill and seal the joint.

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Finish

1. Remove any excess flexible seal or epoxy left on the surface of the material or substrate.

   WARNING: DO NOT allow the flexible seal or epoxy to cure before removal.

2. Remove the duct tape from the joint surface.

3. **Use the matching material to run a bead along each edge of the joint to fill any irregularities in the substrate.**

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