

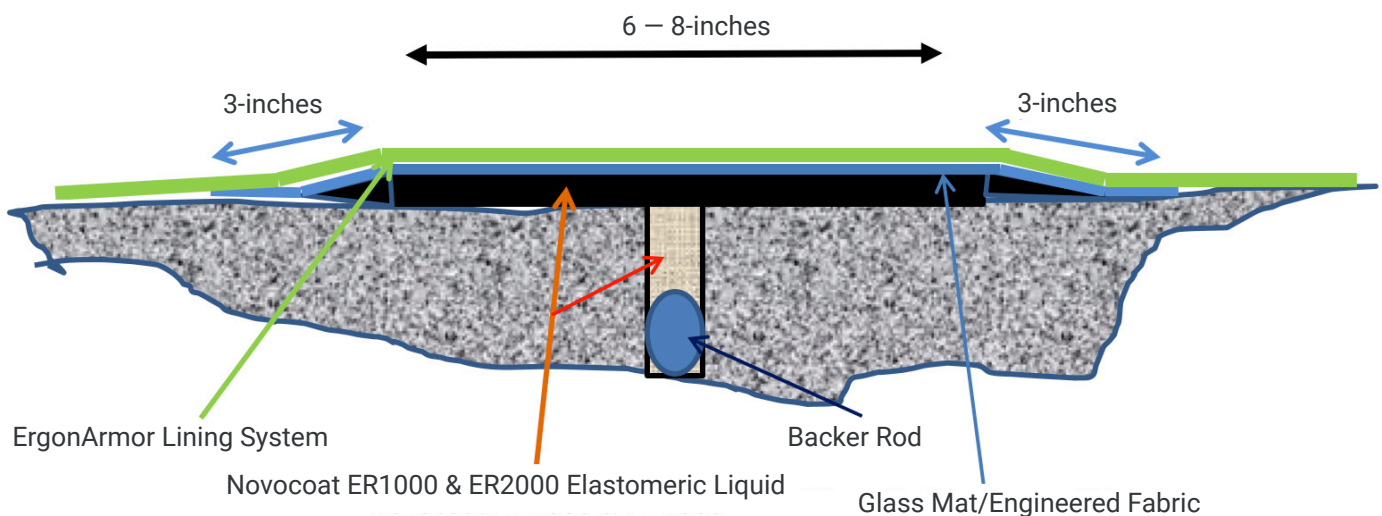


**Bulletin Number:** T21-012

**Date:** October 1, 2021

**Distribution:** External

## Bridge Joint Detail: Lining, Flooring or Coating



This procedure is recommended for use in conjunction with ErgonArmor chemical resistant systems over concrete control joints or cracks where small amounts of movement (opening) will occur. This procedure is not for expansion joints.

- This joint detail provides limited crack bridging capability by disbonding a portion of the lining/coating over the crack/joint to allow a finite “stretching length” of lining for the displacement to occur.
- Maximum movement capability is 0.005-inch (5 mils) per inch of unbonded width.
- There will be a greater system thickness at the crack/joint because of the added layers.
- This joint detail may “bulge” outward if the crack/joint closes narrower than at the time of installation.

1. Abrasive blast crack/joint and concrete surface, approximately 10-inches on each side of the crack/joint.
2. Prime area with ErgonArmor Novocoat SC1100 Concrete Primer/Sealer at 3 – 5 mils DFT Allow to cure.
3. Repair rough areas “as needed” with a mixture of Novocoat SC1100 Primer/Sealer and PENNTROWEL™ Thinset or LF powder.



4. Fill cracks using Novocoat ER1000 Elastomeric Liquid and backer rod as needed. Allow to cure.
5. Apply Novocoat EP2900 Flexible Paste at 40 – 80 mils DFT a minimum of 4-inch or 6-inch on both sides of crack/joint. (Please note that an 8-inch wide strip will accommodate approximately 40 mils of movement and a 12-inch wide strip will accommodate approximately 60 mils of movement.) Allow to cure.
6. Layout and saturate engineered fabric or fiberglass mat (1 – 1/2 ounces) with Novocoat SC1100 Primer/Sealer extending at least 2 – 3 inches onto the adjacent primed concrete surface. Remove entrapped air with a ribbed roller.
7. While the layer of fabric/mat is still wet, repeat with a second layer of mat. Saturate with Novocoat SC1100 Primer/Sealer as needed. Remove entrapped air with a ribbed roller. No white spots (air pockets) should be obvious on fabric/fiberglass. Allow to cure.
8. After curing (generally the next day), grind off any imperfections or protrusions and feather edges and proceed with normal installation of the designated ErgonArmor lining, coating or flooring system.