

9300 73rd Ave N.  
Brooklyn Park, MN 55428

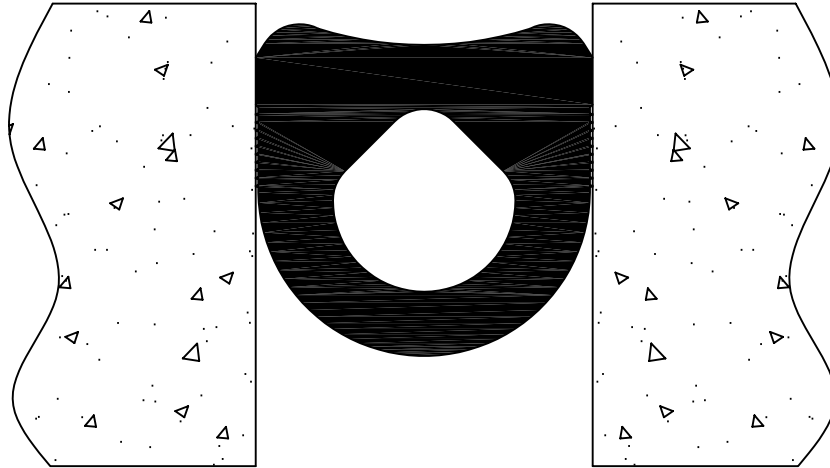
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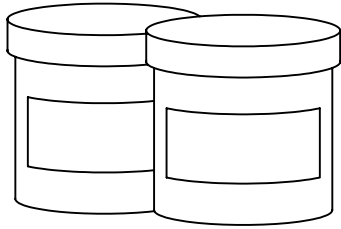
## Inner Seal: Traffic & Standard Series Model(s) "EJ-INS-100 thru EJ-INS-400" Horizontal & Vertical Expansion Control Systems

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

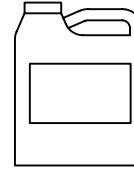
- 1) Carefully read and understand installation procedure. Contact Technical Service Department for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service with order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.

PN: N20181

# Standard Components



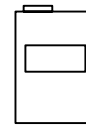
Paste Adhesive Package  
(P/N - 2800J)



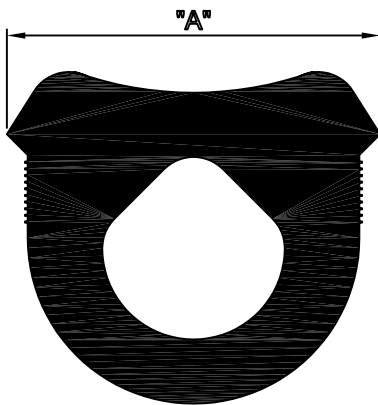
Profile Conditioning Agent  
(P/N - 2802J)



\*Profile Glue  
(P/N - 2874J)

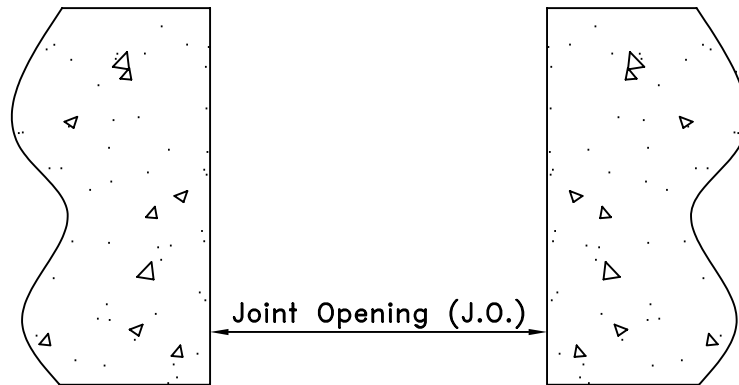


Concrete Cleaner  
(P/N - 2731J)



Inner Seal  
(Refer to Chart for Size and P/N)

Model	"A"	P/N
EJ-INS-100	1.125"	20510
EJ-INS-150	1.688"	20515
EJ-INS-200	2.25"	20520
EJ-INS-250	2.814"	20525
EJ-INS-300	3.376"	20530
EJ-INS-400	4.50"	20540



1

**Concrete:**

Before Installing Inner Seal you must check joint openings for a sound, clean and dry substrates. To prepare the concrete you can abrasive blast the joint opening, where abrasive blasting is not permitted you can disc grind the opening. Excising care to insure a coarse disc is used to produce an abraded surface. Any loose portions of concrete at the gap must be removed and the concrete properly repaired as directed by the engineer.

**Steel:**

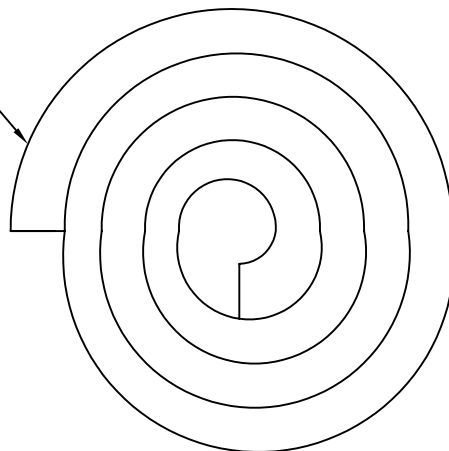
Before Installing Inner Seal in Steel Frames the surfaces must be abrasive blasted immediately prior to installing. All oxidation must be removed and "White Steel" revealed. When abrasive blasting is not permitted, steel surfaces will be aggressively disc ground to roughen and abrade the surface to achieve the "White Steel" condition.

**Stainless Steel** – Require aggressive grinding and blasting to remove the smooth, glassy surface for acceptable installations.

**Galvanized** – The galvanizing material must be removed to look like "White Steel".

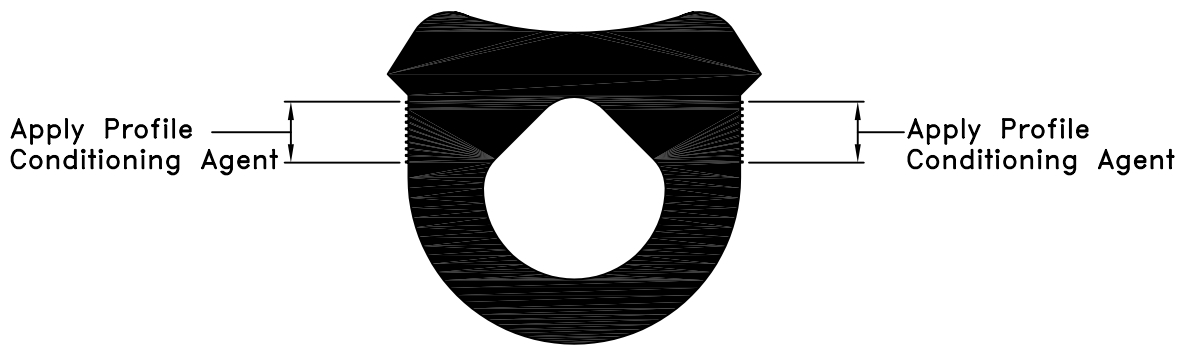
Before installing the seal, the opening shall be blown out with clean air to remove any dust accumulation. In steel applications you must Install the Inner Seal into the opening to avoid oxidation of the Steel surface.

Uncoil Profile from packaging



2

Prior to installation you should uncoil the product from shipment packaging and allow it to reach a relaxed state. Once the profile is at its relaxed state, it may be cut to its correct length for installation. When cutting profile to its full length "MAKE SURE" not to exert any tension of the profile.

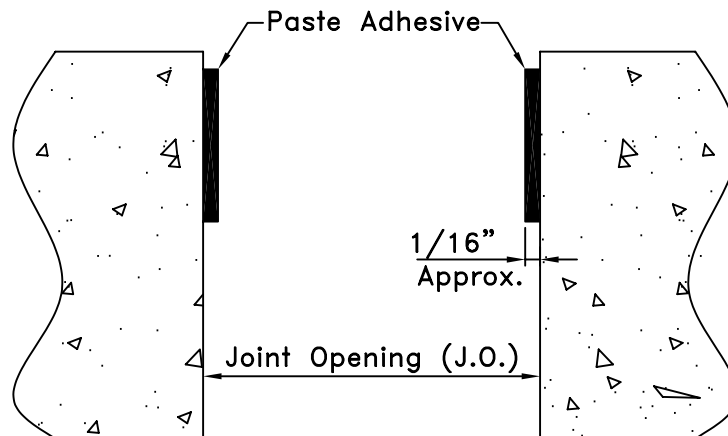


**3** With a clean rag the serrated sidewalls should be cleaned with the Profile Conditioning Agent supplied. This is to ensure a good clean surface for the adhesive to bond to.

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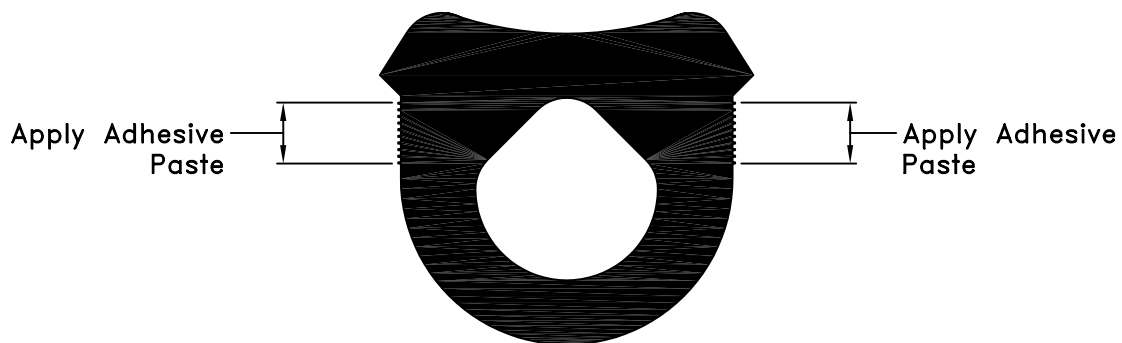
**4** Mix the two component epoxy together until there is a uniform color.

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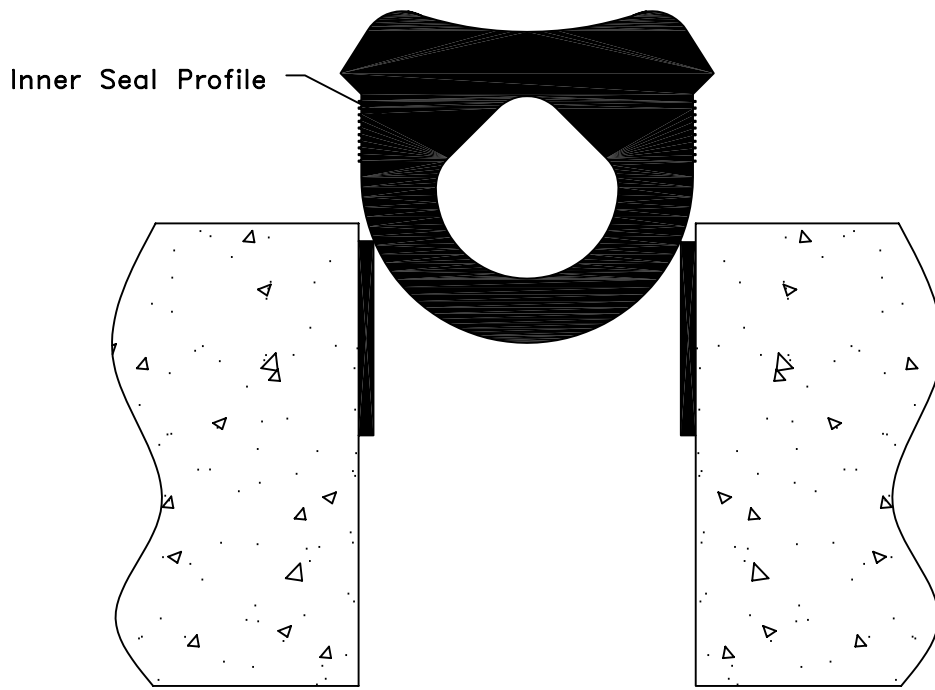


**5** Once the adhesive is mixed together, with a clean putty knife apply adhesive to the inside of the joint opening only where the serrated portion of the seal will be in contact with the joint opening. This is done to ensure that you can get the maximum amount of travel out of the seal.

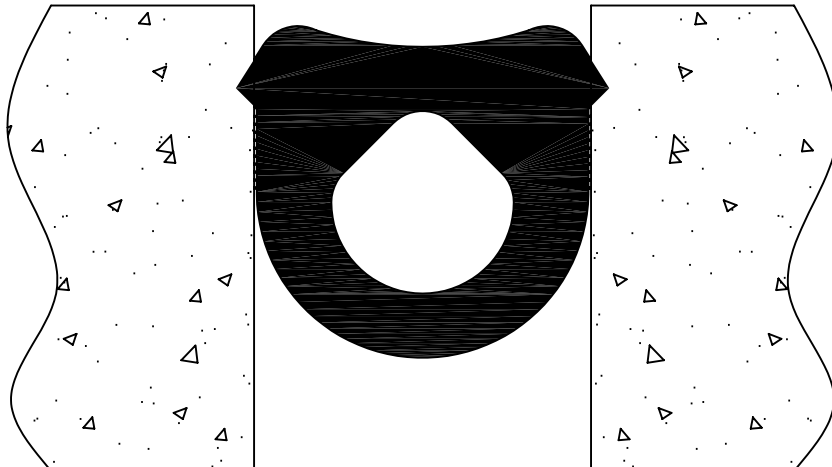
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**5A** Once the adhesive has been applied to inside of joint opening, apply adhesive only to the serrated portion of the seal. This also is done to ensure that you can get the maximum amount of travel out of the seal.



- 6 Once adhesive is on the seal, insert seal into Joint Opening to the correct depth as stated on detailed drawings.
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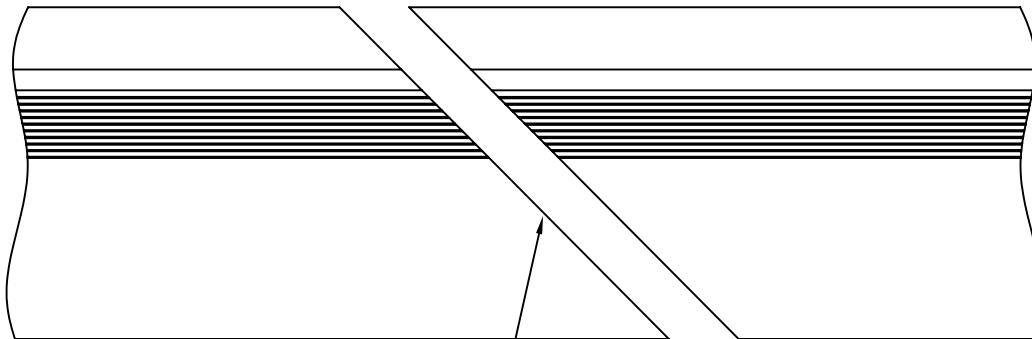
- 7 After seal has been installed, using a clean rag dampened with Concrete Cleaner, remove excess adhesive from top of Inner Seal.

## Suggested Butt Splice Procedure

1. Cut ends of seal with a sharp knife and miter box at a 45° angle. Insure that cuts are clean and straight.
2. Apply Profile Glue to both seal ends to be joined.
3. Apply pressure bringing the two surfaces into tight contact immediately after adhesive is applied. Hold in place for one to two minutes for initial bond.
4. Re-Check quality of all splices/miters and apply glue as required.
5. To achieve proper working strength care shall be exercised as a result that it takes 24 hours for glue to fully cure.



Profile Glue  
(P/N - 2874J)



Surface to be spliced. —  
Note: Make sure that profiles  
match to ensure good adhesion.