

COMPRESSION SEAL SYSTEM

Model(s): INS

GENERAL DESCRIPTION



Rubber foam for stairwells and elevator shafts. The Perimeter Deck Compression Seal is constructed of flexible, closed cell neoprene expanded rubber foam seal that is adhered in place with epoxy adhesive.

Introduction + Safety

Please read the complete instructions carefully before beginning any work. To ensure proper installation and performance of the product, the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

GENERAL SAFETY PRECAUTIONS Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through its own analysis to select products suitable for their specific application requirements, ensure they are properly maintained, and limit their use to its intended purpose. Follow proper local, state and federal regulations for proper installation and operation requirements.

Transportation + Storage

- Inspect all shipments and materials for missing or damaged components and hardware.
- Material must be stored in a clean, dry location.

Direct Service Done Right

Since 1948, Nystrom has been the go-to manufacturer of specialty building products providing a wide range of floor, roof, wall, ceiling and stair access products that create safer, more accessible buildings. We offer hassle-free services including access to technical experts, REVIT tools for BIM, HPDs for LEED v4, 3-part specifications and AIA-accredited continuing education courses.

Preparation

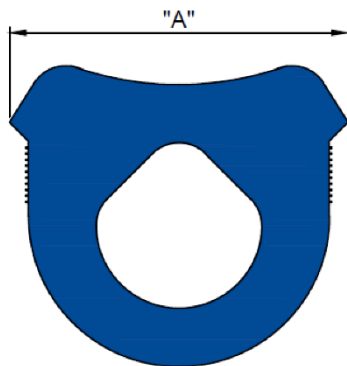
- Locate the packing slip(s) and/or shop drawings.
- Verify that all products listed on the packing slip are included in the package.
- Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage you waive your right to a freight claim and will be responsible for their replacement cost.
- Read the instructions thoroughly before beginning installation.

Tool List

- Abrasive blaster or disc grinder
- Clean rags
- Putty knife
- Tape measure
- Knife
- Miter box

Included with Expansion Joint System

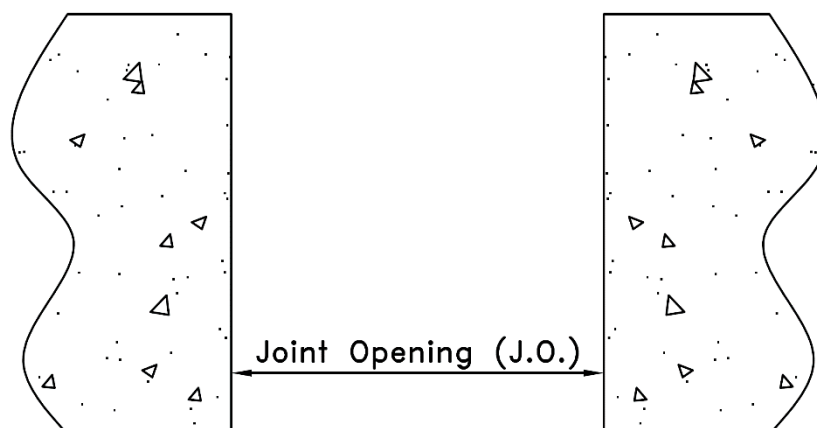
- Paste Adhesive (P/N 2800J)
- Profile Conditioning Agent (P/N 2802J)
- Profile Glue (P/N 2874J) **optional for splice procedure*
- Concrete Cleaner (P/N 231J)
- Inner Seal



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

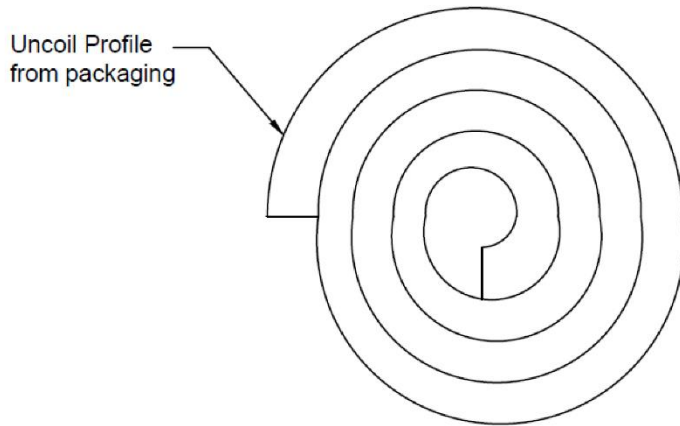
Pre-Installation

1. Before installing INS seal to concrete, you must check joint openings for 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, taking care to ensure a coarse disc is used to produce an abraded surface. Any loose portions of concrete at the gap must be removed and the concrete must be properly repaired as directed by the engineer.
2. Before installing INS 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.
3. Stainless Steel - Requires aggressive grinding and blasting to remove the smooth, glassy surface for acceptable installations.
4. Galvanized - The galvanizing material must be removed to look like "White Steel".
5. 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 seal into the opening to avoid oxidation of the steel surface.



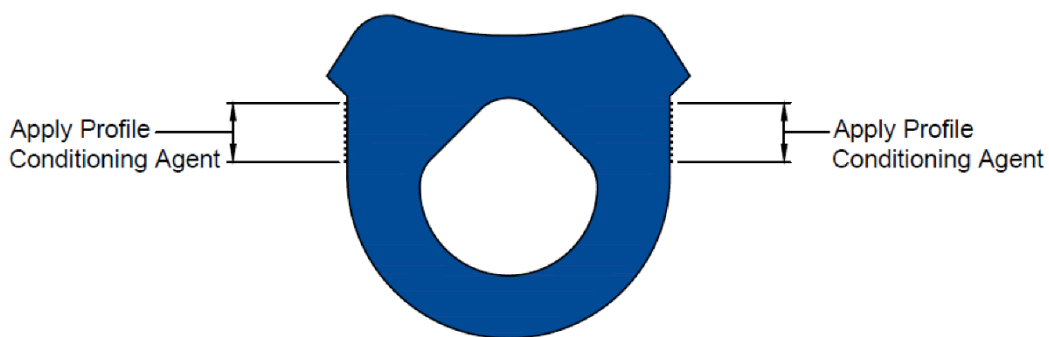
INSTALLATION

STEP 1

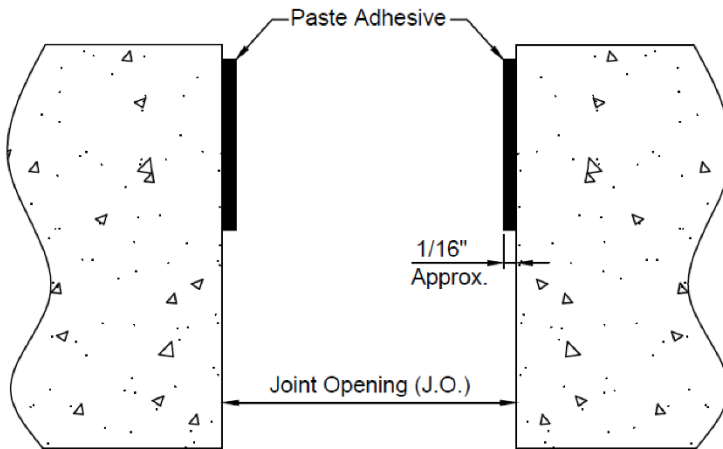


Prior to installation, you should uncoil the product from shipment packaging and allow it to reach a relaxed state. Once the profile is at its relaxed state, it may be cut to its correct length for installation. When cutting profile to its full length, **MAKE SURE** not to exert any tension on the profile.

STEP 2

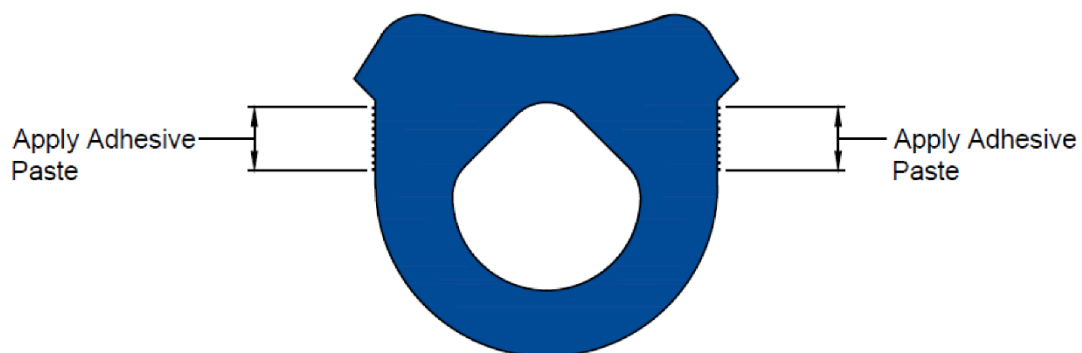


With a clean rag, the serrated sidewalls should be cleaned with the Conditioning Agent supplied. This is to ensure a good clean surface for the adhesive to bond to.

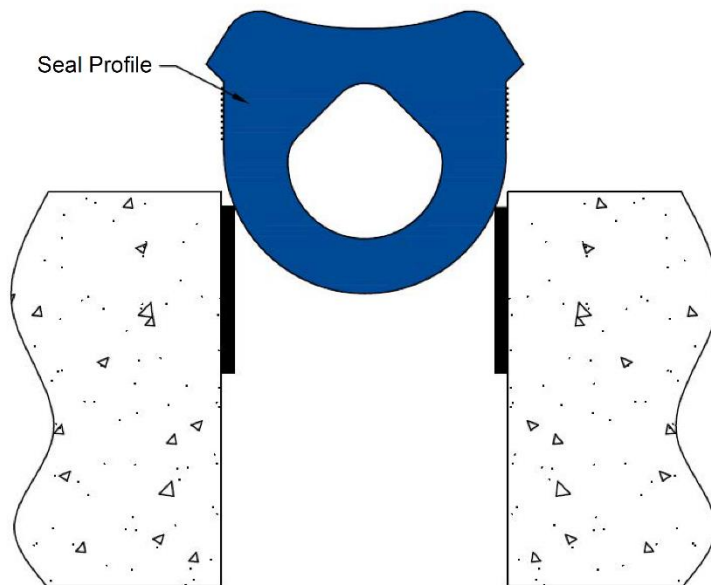
STEP 3

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

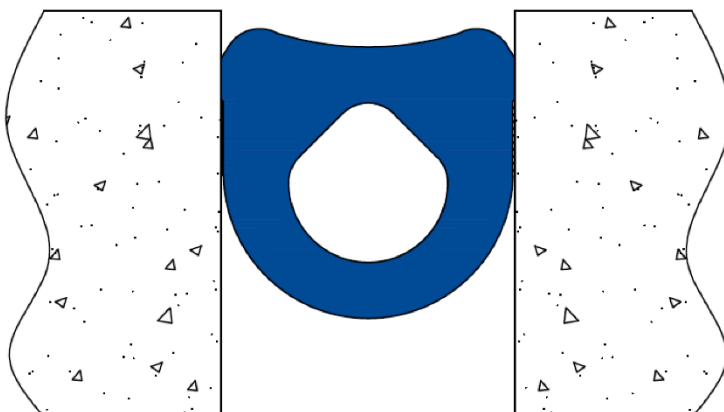
Once the adhesive is mixed together, take a clean putty knife and apply adhesive to the inside of the joint opening only where the serrated portion of the seal will be in contact with the joint opening. This is done to ensure that you can get the maximum amount of travel out of the seal.

STEP 4

Once the adhesive has been applied to the inside of the joint opening, apply adhesive only to the serrated portion of the seal. This ensures you can get the maximum amount of travel out of the seal.

STEP 5

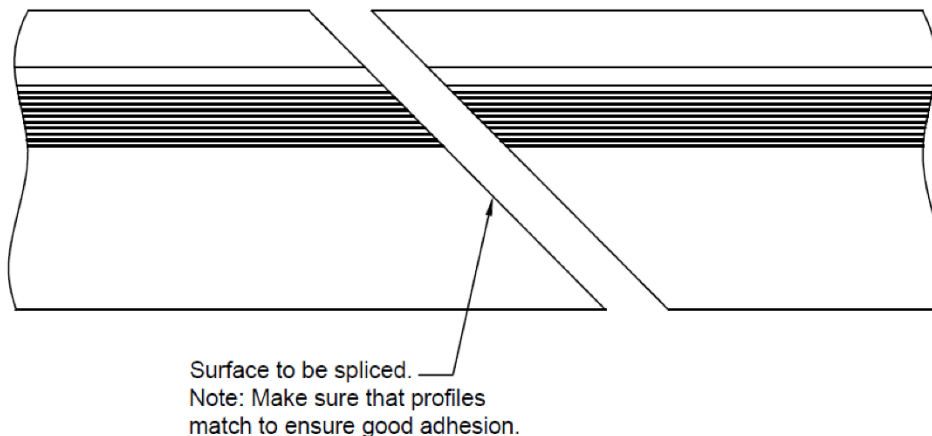
Once adhesive is on the seal, insert seal into joint opening to the correct depth as stated on detailed drawings.

STEP 6

After the seal has been installed, remove excess adhesive from top of seal using a clean rag dampened with the Concrete Cleaner.

SPLICING INSTRUCTIONS

1. Cut ends of seal with a sharp knife and miter box at a 45° angle. Ensure that cuts are clean and straight.
2. Apply profile glue to both seal ends to be joined.
3. Applying 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. Recheck quality of all splices/miters and apply glue as required.
5. To achieve proper working strength, handle with care as it takes 24 hours for glue to fully cure.



OPERATION

Expansion Joints are designed and built for years of dependable service.

MAINTENANCE

- Annual inspections should be performed to make sure the system is still in position. Repair and/or replace as needed.

QUESTIONS?

For more information on installation, repair or replacement, please visit nystrom.com