

# TRIPSTOP™

Articulating Sidewalk Joint System

## INSTALLATION GUIDE

TripStop™ is an engineered polymer that is designed to be positioned into concrete slabs, with or without reinforcement, to form an articulating sidewalk joint.

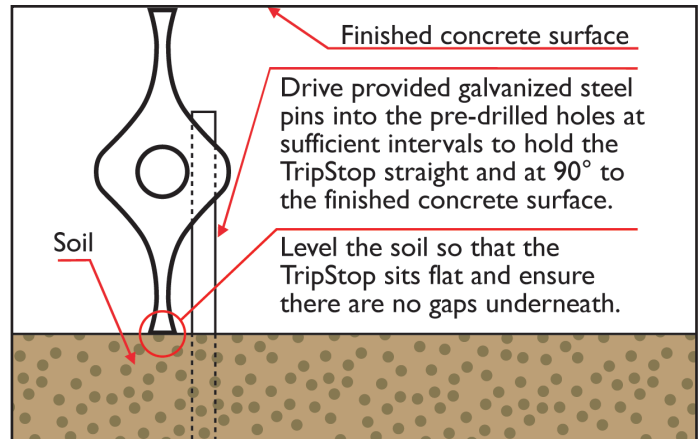
To be effective, concrete slabs should be laid in accordance with local standards and take into account the standards referred to therein.

### TripStop must:

- A.** Be installed by an installer that has received certified installation training by Access Products inc.
- B.** Be placed in the concrete at 90 degrees to the finished surface and must not be allowed to deviate by more than 5 degrees as illustrated.
- C.** Run the full depth and width of the slab and must finish flush with the surface of the finished concrete. TripStop can have up to 1/4" or 6mm clearance at each end to allow for an edging tool to be passed without interruption. Where the TripStop is below the finished surface an edging tool must be passed either side to form an arris or sharp edge detail.

- D.** Never be higher than the surface of the finished sidewalk.
- E.** Be level with the sub-base using the bottom of TripStop as a guide so that there are no voids underneath TripStop.
- F.** Be supported uniformly on both sides of TripStop when pouring concrete to keep it securely at a 90 degree angle to the sub-base.

**Important Note:** TripStop is recommended as a device to minimize concrete slab displacement. Access Products Inc. does not warrant or guarantee that TripStop will absolutely prevent slab displacement in all situations and under all circumstances as its performance will vary due to such things as gross disruption to concrete slabs caused by non-standard usage, excessively reactive soil conditions, poor installation methodology and other factors.



## The solution to aggressive trees causing displacement in concrete sidewalks

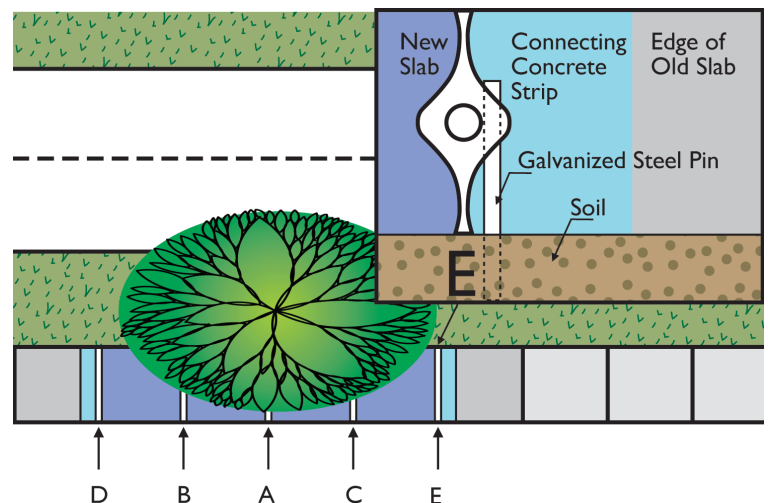
TripStop should be installed at intervals equivalent to the width of a sidewalk, for the entire area of the sidewalk that is located within the drip line.

Ideally the TripStop sections should be positioned directly above the most aggressive tree roots. Where the aggressive tree roots are not obvious, or are being removed, then TripStop section **(A)** should be placed in the line with the center of the trunk of the tree. TripStop sections **(B)** and **(C)** protect at the drip line which is the most active area.

**(D)** and **(E)** are the optional [but recommended] finishing pieces that will allow the adjacent slabs to be linked in the future.

If, in the future, the adjacent slabs become displaced, simply remove them along with the connecting concrete strip, 6" or 15 cm wide **(call-out E in image)**. This

will leave **(D)** and **(E)** in position and ready to connect to the new slabs. Pour away, again finishing with TripStop sections and connecting concrete strips at the extremities.



## Cutting TripStop™

TripStop is made from an engineered polymer, and can be cut on-site using a sharp fine hand saw with 10 or more teeth to the inch. A hack saw with a coarse cut blade is also suitable.

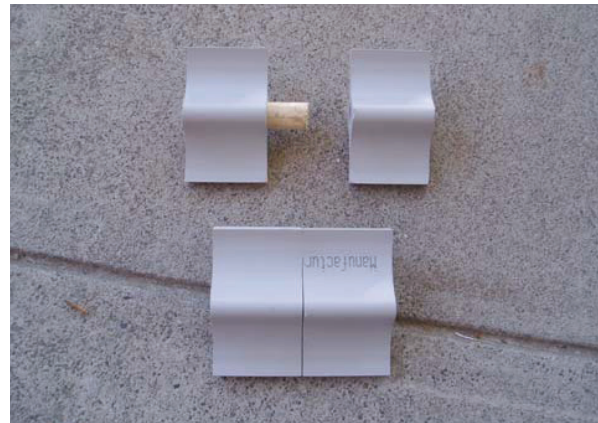
TripStop may be cut with a combination saw or drop saw or a docking saw provided that a fine tooth finishing blade is used. In this operation the TripStop must be laid flat and firmly against the fence of the saw. The underside of the profile facing the fence must be supported to the extent that the bottom edge facing the operator sits firmly on the table of the saw. The whole profile must be below the top of the fence at all times.

Caution. TripStop must never be cut with a chain saw, a hand held portable power saw or with a blade used for ripping. If in doubt use hand operated saws. Full personal protective equipment must be worn including leather gloves, eye and hearing protective gear. A full face mask is preferable to goggles. Pieces of TripStop less than 4" or 100 mm must never be cut using power equipment.

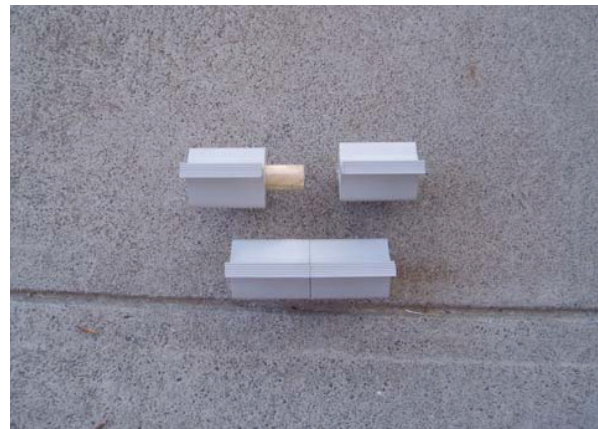


## Joining TripStop

TripStop can be joined if needed by inserting a 3" x 5/8" or 75mm x 15.8mm length of suitably shaped and fitted wooden dowel into the center holes as shown below. Caution should be used when using power tools as TripStop is hard and should be supported properly with a fence used on the saw. It is acceptable to cut a short length from a length greater than 12" or 305mm but cutting from lengths shorter than 12" or 305mm should be avoided. TripStop is easily drilled if an additional hole is required to secure the joined section. Use a drill with a or 1/4" or 6mm spaded steel cutting bit.



Side view showing dowel and finished joint



Top view showing the dowel and finished joint

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# TRIPSTOP™

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