



Prevention Technologies

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Prevention Technologies (PTi) Twin Tube Paste Joint Sealing Instructions

Equipment Required: Twin Tube Caulking Gun Twin Tube Paste
Utility Knife Disposable Nitrile Gloves
Safety Goggles Blue Shop Towels
MSDS – Review before beginning

Instructions:

*Note: The PTi paste has a very strong, unpleasant odor and is highly adhesive. Handle the product with extreme care (always wear nitrile gloves) and avoid direct contact with skin. Do not use or prepare to use indoors. It has a 2-hour set up time and fully cures in 24 hours at 70° and attains maximum strength in about 7 days. **Do not use below 50°!** It is best to apply the paste after the station is closed to avoid traffic.*

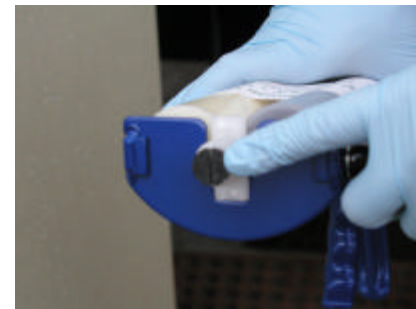
- 1. The PTi Twin Tube Paste and the caulking gun are ordered directly from the manufacturer. Visit www.preventiontechnologiesinc.com for ordering instructions.**
2. Thoroughly sweep around all islands to be sealed. Pay close attention to all cracks, crevices and expansion joints abutting island curbing.
3. Mop around islands with FM-186, including the island curbing, to remove all dirt, spills, oil, etc. Paste will not adhere to dust and dirt. The area must be completely dry.
4. Put on disposable nitrile gloves and safety goggles.
5. Remove twin tube caulking tubes from packaging. **Do Not Separate Tubes!**
6. Press and hold down caulking gun release lever (located behind the handle/trigger) while drawing back fully on the caulking gun plunger.



7. Insert twin tubes into the caulking gun, making sure the bottom of the tubes line up with the twin plungers. Do not pull trigger or snug the plungers up to the tubes at this point.



8. Remove the threaded collar and the half-moon plugs from the tips of both tubes and save.



9. Slip the mixing nozzle through the threaded collar and screw the collar on to the twin tubes. Snug tightly.



10. At the tip of each mixing nozzle, there are several ridges or shoulders. Using a utility knife, score around the second shoulder from the tip and carefully cut the tip off at this point for a $\frac{1}{4}$ " bead. Do not cut the tip at an angle. Take care, as the plastic mixing nozzles are sturdy and difficult to cut.



Note: A $\frac{1}{4}$ " bead is sufficient for most caulking jobs. Large gaps between the island forms and the concrete will require a thicker bead. Simply cut the tip of the mixing nozzle at the third or fourth shoulder in order to fill the larger gaps. Be sure you use enough paste to adhere to both the island form and the concrete.

11. To allow proper mixture, dispense 8 inches of caulk into a shop towel and discard. Stop flow by pushing on the release lever behind the caulking gun trigger/handle.

12. Draw a bead at a 45° angle between the cement pad and the island curbing.

13. Pull the trigger and as the product starts flowing from the mixing nozzle, begin drawing a bead. Draw the gun evenly to apply a ¼" bead.



14. Run a comfortable length of bead and then depress the release lever to stop the flow while continuing to draw the gun until the paste stops flowing.

15. Draw your gloved finger *very* lightly over the bead to smooth it out, forming a slight cove. Unlike other caulks, the paste is very soft and you can easily draw away too much product from the joint.



16. Use the shop towels to wipe your gloved finger thoroughly clean.

17. Start your next length of bead slightly overlapping and repeat steps 11 – 15.

18. If you get too thin of a bead, you can go back and reapply more paste. Holding the mixing nozzle just above the bead, move the gun quickly to lay a thin bead on top of the old bead. Smooth together, following steps 14 and 15.

19. Once you start an island, completely finish the island. Typically, one set of twin tubes should complete one island.

20. If you use multiple tubes, one after another, you may move the mixing nozzle from the used set of tubes to the new set.

21. If you do not completely use the paste in a set of tubes remove and discard the mixing nozzle. Replace the half moon plugs back into the tips of the tubes and reattach the threaded collar.

22. To remove unwanted paste from concrete, **immediately** pick up as much of the caulk with shop towels as possible. After it cures, go back over it with a towel to rub off the residue.

23. If you get paste on exposed skin, immediately use Fast Orange or other similar cleaner to remove.