



Fire Barrier Rated Foam, FIP 1-Step Installation Instructions

General

1. 3M™ Fire Barrier Rated Foam, FIP 1-Step is designed for installation in both large and small openings.
2. Consult the individual UL system for the application details of FIP 1-Step within the opening.
3. Remove the cartridge from the packaging.
4. Remove the cap from the bottom of the cartridge and discard.
5. Unscrew the top of the tube and discard, while keeping the tube in the upright position.
6. Remove the static mixing tube from the packaging.
7. Screw the static mixing tube onto the top of the cartridge.
8. Place the cartridge with the static mixing tube installed into either the manual or battery powered application tool. 3M recommends using the PowerMax® HPS-4C2 for dispensing FIP-1 Step.
9. **IMPORTANT.** Make sure the cartridge is aligned properly in the dispenser. Failure to align the cartridge properly may cause the plunger to malfunction rupturing the cartridge.
10. **IMPORTANT.** If using the PowerMax® HPS-4C2 the recommended speed setting is 3. While higher dispensing speeds are possible, it may cause damage to the cartridge.
11. As described in the product data sheet, make sure the material in the cartridge has been properly warmed to a temperature of at least 50 F. Dispensing material at colder temperatures may result in serious damage to both the PowerMax® HPS-4C2 dispensing gun and/or the cartridge.
12. While continuing to keep the cartridge/static mixing tube in an upright position, pull the trigger on the PowerMax® HPS-4C2 or HandyMax® HMS-G4C2. By keeping the cartridge in this upright position at first, the initial mixing efficiency of the static mixing nozzle is maximized.
13. When the FIP 1-Step is a consistent maroon color within the static mixing nozzle, it is ready to install.
14. If the initial dispensed material in the static mixing nozzle is not a consistent maroon color, discard any initial unmixed material into a disposable cup or equivalent until the consistent maroon color is achieved.
15. Install the FIP 1-Step into the opening from the bottom of the back to the front on a wall application or from the bottom to the top for a floor application.
16. Completely fill the opening as detailed within the individual UL System.
17. Any foam that has expanded outside the opening may be cut and removed after the foam has completed its expansion and allowed to slightly cure, depending on ambient conditions.

Pauses in Dispensing

18. If a significant pause during dispensing is needed and the trigger of the PowerMax® HPS-4C2 is released, FIP 1-Step will continue to cure within the static mixing nozzle and plug the static mixing nozzle after approximately 30 seconds of dispensing inactivity.
19. Do not try and force FIP 1-Step through a plugged static mixing nozzle.
20. If the static mixing nozzle plugs, temporarily discontinue use and operation of the PowerMax® HPS-4C2.
21. Simply unscrew the plugged static mixing nozzle from the FIP 1-step cartridge, replace it with a new one, and continue to dispense with the PowerMax® HPS-4C2 as listed above (line 8).
22. **IMPORTANT.** Continued use of the PowerMax® HPS-4C2 with a plugged static mixing nozzle may cause serious damage to the FIP 1-Step cartridge and/or the PowerMax® HPS-4C2 dispenser.

Additional Tip – If the PowerMax® HPS-4C2 trigger is released and stops the dispensing of FIP 1-Step and the gun is in an upright position, the plunger rod may return to its full extended position. In order to minimize the chance that the FIP 1-Step will cure in the static mixing nozzle when the trigger is re-engaged, manually push the plunger fully back into the FIP 1-Step cartridge. This will allow a return to active FIP 1-Step dispensing as quickly as possible.

KEEP FROM FREEZING DURING CUSTOMER STORAGE.

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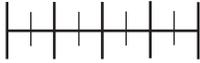
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Scale:  1 Inch	This artwork has been created as requested by 3M. 3M is responsible for the artwork AS APPROVED and assumes full responsibility for its correctness.