

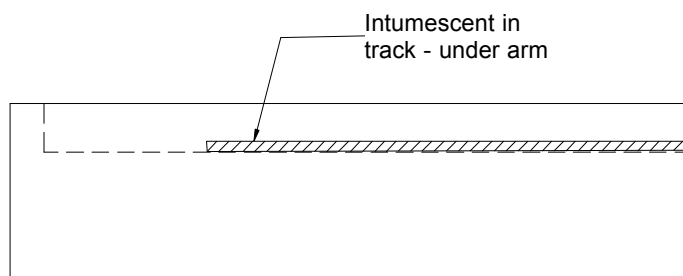
# Intumescent for Holder/Closer/Pivot Hardware Positive Pressure Approvals

## Installation Instructions

Several Marshfield DoorSystems® Positive Pressure Approvals require the use of intumescent in the hardware pocket. Devices typical of this installation are Holders, Closers, and Pivots. In attempt to simplify the understanding of these approvals for our customers, the following recommended installation guide is provided.

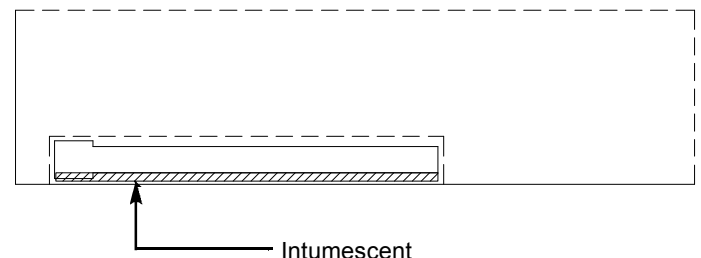
1. Intumescent is required in the pocket with the hardware. The intumescent is to be located such that it extends across the entire device and is free to expand in case of fire. This means that the intumescent should be located between the device and the floor for bottom pivots and floor closers, and in the bottom of the track for closer and holder hardware. {See the example sketches}
2. Zero FS3000 is the recommended intumescent. Other intumescent are acceptable providing that they are approved for use at that time frame by either ITS or UL. Please verify the thickness and other key dimensions to ensure that the intumescent will fit within the hardware cutout.
3. Prepare the intumescent by cutting it to length and / or width depending on the size of the hardware cutout and the hardware device. Attempt to maximize coverage of the device while fitting within the cutout.
4. Zero FS3000 comes with an adhesive backer. Remove the backer and affix the intumescent to the device as indicated in the example sketches. If intumescent other than Zero FS3000 are used, please refer to the manufacturer's instructions to determine proper application procedure.

### Example Installation Locations:



Example: Devices in top of door.  
Closer and holder track mortise.  
Intumescent alongside track.

Bottom pivots and floor closers.  
Example: Devices in bottom of door



Note: Marshfield DoorSystems doors are manufactured per the standards listed on this page. Specifications are subject to change without notice.