

Middlebury Fire Department

To: Middlebury Infrastructure Committee

RE: Repair of epoxy floor at Station One

Middlebury Station One located at 5 Seymour Street underwent a major reconstruction in 2012 and was completed in 2013. One of the elements was the installation of an epoxy floor finish onto the apparatus floor area. Although the finish has proven to stand up to the tough conditions that the fire service generates, a problem has developed with the floor. The 2013 portion of the building is free standing, thus abutted to the 1978 section of the building. Therefore, there is a great deal of movement between the two buildings, more than the epoxy coating can handle, causing cracks to the epoxy surface. These cracks are allowing water to enter the area between the epoxy and the cement floor, causing deterioration to the concrete.

Back in January of 2018, I reached out to Vermont Protective Floor Coverings for some help with this problem, as they were the original installer of the epoxy floor. They immediately came back and removed expansion caulking installed at the time of installation and replaced it with more flexible caulking. This solution did not work. I believe after consultation with Vermont Floor Coverings, that we must install a commercial grade expansion joint that will traverse the entire length of the apparatus bay, where the two buildings connect.

Please find attachments that show the current floor with the above-mentioned cracks, also attachments that show the estimate for the installation on the expansion joint and a spec sheet on said expansion joint.

Respectfully

Chief David Shaw

Middlebury Fire