



January 26, 2009

To Whom It May Concern:

Approximately one year ago there were a minor number of issues in which spray applied polyurethane foams were accused of creating situations with PVC and CPVC sprinkler and water supply lines in walls attic or ceilings. The SPFA formed a group and began a study to determine if there were any valid issues with the claims. Lubrizol, the manufacturer of the orange pipe designed the tests that are still underway. These tests involved a large number of spray foams including both 2.0 and half pound systems. These systems were applied to a cross section of CPVC and PVC pipes which are in use in the industry today. In this test the pipes were encapsulated in @3.5 inches of foam, put under pressure that was 1.5 time the regular load and subjected to elevated temperature. A report was given at SPFA in January that stated that after 3000 hours there are no failures. This test will be continued until 6000 hours is reached and the testing will be summarized and provided to SPFA. At this time Lubrizol is no longer issuing the statement that foam can not come into contact with their piping or plumbing products.

It appears that there is no evidence to suggest that the inert spray applied foams are creating any problems with the PVC or CPVC tubing, and that the only issue that can be found is joint failure from improper handling of the tubing or improper joint connections.

Considering the information provided by the SPFA on the testing being conducted on the capatability and our experience with applications of this type, we believe that our spray applied polyurethane foam systems will not degrade or damage the PVC or CPVC tubing used for plumbing or sprinkler systems at this time, as long as the installation recommendations for those systems are adhered to regarding lift thickness per pass.

If you have any questions please feel free to call me at any time.

A handwritten signature in black ink, appearing to read "Steven W. Williams", is written in a cursive style.

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