

Introduction

Technical guidance notes serve to validate and elaborate on the proven fire stop systems offered by FSi Limited. These notes offer valuable advice to specifiers, designers, and installers, focusing on specific applications, configurations, and aspects relating to fire stopping systems and materials. The document provides guidance on practical and effective recommendations, aiding in the selection criteria for firestopping products and systems for a project. Furthermore, this insightful advice is instrumental for building owners and individuals responsible for the maintenance and installation of fire stopping systems.

This technical guidance note addresses the growing concern regarding the chemical compatibility of C-PVC sprinkler pipes with ancillary products. Compatibility issues span a wide range of commonly used materials found in modern construction projects, both new builds and refurbishments, and are not limited solely to fire-stopping sealants as some have suggested.

FSi Limited is now confirmed as compatible with the two most widely used brands of C-PVC pipes.

Since 2016, Pyropro® HPE® Sealant has been part of the Lubrizol compatibility program. During this period, the product underwent extensive formulation screening and rigorous physical testing in direct contact with C-PVC sprinkler pipe materials, resulting in official approval demonstrating chemical compatibility.

Pyropro® HPE® Sealant has also been tested by Spears®, with results showing no adverse compatibility issues when the product is installed and utilized as intended. The confirmation of compatibility with products listed on the Spears® Compatible Products List—including FlameGuard®, EverTUFF® CTS, LabWaste®, fittings, and components—is based on successful test results conducted on these products as formulated at the time of testing.

FSi Promat Guidance

Direct testing from the manufacturers of the C-PVC shows that Pyropro® HPE® Sealant is chemically compatible and suitable for sealing around C-PVC and C-PVC sprinkler pipes. The sealant must be installed to its full depth to prevent exposure to incompatible or unspecified materials that could come into contact with the pipe. Installation should strictly adhere to the FSi Limited installation details.

Pyropro® HPE® Sealant is approved for use with Spears® C-PVC sprinkler piping systems and related materials, such as FlameGuard®, EverTUFF® CTS, and LabWaste®. It is important to note that the sealant must not be used around C-PVC sprinkler piping systems where compatibility has not been confirmed.

Pyropro® HPE Sealant can be found under the category “UK Only Compatible Products” in the FlameGuard®, LabWaste®, EverTuff® and CTS Compatible Products List on the Spears® website.

[FlameGuard®, LabWaste®, EverTuff® and CTS Compatible Products List](#)



Additionally, Pyropro® HPE® Sealant is approved for use with Lubrizol C-PVC sprinkler piping systems and materials, including FlowGuard® pipe and fittings, as well as BlazeMaster® fire sprinkler systems. As with Spears® systems, the sealant should not be applied around C-PVC sprinkler piping where compatibility remains undetermined.

Pyropro® HPE Sealant is listed on the Lubrizol compatibility programme website with numerous other building material products, link is detailed below:

[System Compatible Product Finder](#)



Please see FSi Promat datasheets for more information.