



## **FlameGuard® CPVC Installer Training Program**

Spears® produces fittings under the FlameGuard® trade name which is cross-listed and suitable for use with other manufacturers' CPVC fire sprinkler products. From the beginning, Spears® has insisted that installing contractors be adequately trained in the proper installation of these products. To that end, Spears® personnel have conducted thousands of classes for sprinkler fitters across the country, and around the globe. Installers are issued training ID cards recognizing their participation and successful completion of these classes. Authorities Having Jurisdiction (AHJ) have come to acknowledge the value of this training and frequently require that installers be able to verify their training by producing these cards on jobsites.

Spears® continues to offer free training to installers and with advanced notice technical representatives are available to schedule classes at contractors' shops, or other suitable facilities. A phone call or email to Spears®, or one of our distributors is all that's needed. While there are no recognized industry requirements, Spears® has always recommended "refresher" training every two years to review possible changes in codes, new products, methods, etc.

This class will last approximately 3 hours and provide the attendees with the opportunity to learn the proper Handling, Installation and Testing of CPVC fire sprinkler systems. It will review the Listing and Approval applications while addressing key points of the Spears® Manufacturing FlameGuard® FG-3 CPVC Fire Sprinkler Products Installation Guide. The program will also include discussions on the related codes and standards (NFPA 13, 13D and 13R) governing the installation of residential and light hazard fire sprinkler systems.

Some of the key topics discussed include:

1. Cure Times of new, cut-in and repair installations
2. Solvent Cementing Procedures
3. Hanging & support spacing and methods
4. Earthquake / Seismic Bracing requirements
5. Hydrostatic and Air testing of CPVC systems
6. Expansion and Contraction Issues
7. Special Installations - Attics, Interstitial Spaces, Basements, Garages & Underground
8. Freeze Protection - Anti-Freeze, Dry and Pre-Action Systems
9. Bending and Deflection of CPVC Pipe
10. Incompatibility Issues
11. Approved Compatible Products

At the conclusion of the presentation attendees will be tested on the material discussed and receive hands-on training in the cutting, prepping and solvent cementing of CPVC pipe and fittings. Students must be present during the entire training and not show up late or leave early.

With their successful completion of the class, attendees will be issued a wallet card and certificate confirming their training. This card is valid for 2 years and documents their attendance in a CPVC training class. They'll also receive a copy of the "Spears® FlameGuard® FG-3 Installation Instructions" and a copy of the *"FlameGuard® Recommended Practices and Precautions Do's and Don'ts Guide"*.

Each manufacturer is responsible for the products they produce, in terms of their warranties, compatibility, recommended practices, etc. However, Spears® FlameGuard® fittings, pipe and solvent cement are additionally "cross-listed" for use with other manufacturers' pipe, fittings, and cements as long as their products are listed and NFPA compliant. See Spears® publication FG-3 *FlameGuard® CPVC Fire Sprinkler Products Installation Instructions*. Spears® installation training is also compatible with all other manufacturers' products that are made to the same ASTM standards and subject to the same listings and approvals as FlameGuard®.