

Case Study: BlazeMaster® CPVC... The Best Choice for Residential Fire Sprinkler Systems

Advanced Automatic Sprinkler, Inc. of Hayward, California helped a developer find an economical solution to fire protection in a new residential development. The Amber Ridge development by Pulte Homes in Livermore, California consists of 150 one and two story homes in phase one, constructed with both wood and metal steel framing and wood joist roof. On average there are 25 residential style sprinkler heads in each home.



Since being founded in 1985 by President, Fred J. Benn III, Advanced Automatic Sprinkler has been the leading installer of residential fire sprinkler systems in northern California. Since 1986 the city of Livermore has required all new residential construction to be sprinklered and the challenge for Advance Automatic Sprinkler is to design and install affordable and reliable residential fire sprinklers for the homeowners that meet all state and local codes. According to Fred Benn, "Advanced Automatic Sprinkler has used BlazeMaster® pipe and fittings as the material of choice in sprinklering approximately 7,000 residential apartment units in the City of Livermore alone."



One of the biggest advantages of BlazeMaster® fire sprinkler systems is the ease and speed of installation. Fred Benn noted, "because the CPVC pipe is so light in weight and has some flexibility our installers are able to install the system more quickly compared to other materials and this enables us to stay ahead of the developers' schedule, which translates into cost savings for us and the developer."

An added benefit of BlazeMaster® CPVC pipe is its outstanding corrosion resistance compared to metallic piping systems. The Courts of California have determined that for up to 10 years developers and contractors can be sued for defective materials. "With Noveon's BlazeMaster® licensees' 10 year product warranty and the outstanding corrosion resistance, I feel much more comfortable installing BlazeMaster® CPVC fire sprinkler systems compared to metallic piping systems," Benn said.



Bill Sallee, Noveon's consultant to the fire protection industry who has trained most of Advanced's installers on proper installation techniques, added "with BlazeMaster® pipe and fittings there is not expensive prefabrication and special tools, cutters or torches are not required." Sallee added, "the new One Step low VOC cement eliminates the need for a primer and allows for faster cure times when making up solvent cement joints. All of these features result in a simpler installation resulting in lower overall cost of the fire sprinkler system," Sallee said.

"We spend at least 25% of our time working with fire authorities and government agencies promoting fire sprinklers," noted Benn. "With the BlazeMaster® fire sprinkler system technology there is no reason to leave any home unprotected from fire. BlazeMaster® fire sprinkler systems are proven to be effective in preventing fire tragedies and just as important BlazeMaster® CPVC make fire protection affordable for virtually every new home." Benn added, "I have a Blazemaster® system in my home."