



Lake Dillon Fire-Rescue

(970) 513-4100

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Dillon, CO 80435

Station 2

Frisco
301 S. 8th Avenue
fax: (970) 513-4250

Station 8

Dillon
225 Lake Dillon Drive
fax: (970) 513-4350

Station 10

Silverthorne
401 Blue River Parkway
fax: (970) 513-4150

Station 11

Keystone
22393 U.S. Highway 6
fax: (970) 513-4425

Station 12

Summit Cove
434 Summit Drive

Building Officials within Summit County

Re: Spray insulating foam compatibility with Fire Sprinkler CPVC Products

Effective Date: February 14, 2008

Building Officials,

Recently we have been in contact with commercial spray insulating foam contractors and CPVC product manufactures' concerning the compatibility with CPVC pipe and fittings used in fire suppression sprinkler systems. The areas of concern are the chemical reactivity between the urethane foam components (isocyanates and curing agents) & the CPVC chemical makeup, the exothermic reaction of the spray insulation as it cures, and the semi-rigid cured insulation providing adequate thermal expansion or contraction that CPVC needs in proper installation of fire suppression sprinkler systems. At this time extensive testing is being performed by the above industries but no definitive answer is available.

Currently the fire departments within Summit County require that no direct contact of spray urethane foam insulation will be allowed until the industry testing is complete and documentation is submitted for review. This is to include direct spraying of polyurethane products upon CPVC fire sprinkler products and to include over spray. Re-inspection of fire suppression systems by a fire inspector will be required after spray insulation installation has been completed and before drywall or other wall or ceiling coverings will be allowed.

We are asking for the cooperation of the building departments of record to please notify the fire departments of record when they are aware of the application of spray foam insulation at building sites within their respective town and county jurisdictions. If a project has a fire sprinkler system using CPVC products the fire department of record will conduct the follow-up to verify appropriate measures are taken to protect the CPVC fire suppression system. If you have any questions please direct them to the fire department of record. We thank you for your cooperation.

Sincerely,

Steven Skulski
Assistant Chief/Fire Marshal
Lake Dillon Fire District