

PLUMBING AND MECHANICAL  
INTERPRETATION MANUAL



CODE: 2003 IPC & IMC

DATE:

CODE REF: Sec. 803.2(IPC) IMC 602.2.1

3/30/2005

SUBJECT: CPVC in Return Air Plenums

6/27/2005

Victor L. Hines,  
Charlotte Pipe  
P.O. Box 35430  
Charlotte NC, 28235

RE: Approval for ChemDrain™ Corzan® CPVC Chemical Waste Drainage Piping

Mr. Victor L. Hines,

New information regarding the use of ChemDrain™ Corzan® CPVC Chemical Waste Drainage Piping within return air plenums. Section 602.2.1 of the International Mechanical Code states that materials exposed within return air plenums shall have a 25/50 fire spread index and developed smoke index when tested in accordance with ASTM E 84.

Although CPVC meets the above criteria when tested in accordance with ULC S102.2 this test is not listed as an approved standard as outlined by the IMC. Further investigation has revealed that the test for your product when tested in conjunction with ASTM E 84 reveals that CPVC generates a greater developed smoke rating of 25/50 standard as defined by the code.

Your product may be used within the jurisdiction of the City of Dallas provided that ChemDrain™ Corzan® CPVC Chemical Waste Drainage Piping is isolated from the return air plenum. This may be accomplished in various ways such as by isolation out of the return air plenum, covering all CPVC piping in the return air plenum with "plenum rated insulation or any other code approved method.

I have reviewed your request for approval of the ChemDrain™ Corzan® CPVC Chemical Waste Drainage Piping. I have concluded from the information submitted that this product is approved for use within the City of Dallas for acid waste systems.

This product must be installed according to applicable codes and manufacturer's installation instructions and product listings.

Therefore, use of this product may begin immediately in the City of Dallas.

SIGNATURE: *Lonnie Erwin,*  
Chief Plumbing and Mechanical Inspector  
City of Dallas