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LUBRIZOL ADVANCED MATERIALS, INC.
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**FlowGuard Gold® or Corzan® CPVC
Compounds Exclusively Licensed to Manufacturers**

CSI Division: 23 MECHANICAL
CSI Section: 23 00 00 HVAC

1.0 SCOPE OF LISTING

1.1 Compliance to the following codes:

- 2015, 2012, 2009 and 2006 Uniform Mechanical Code® (UMC)
- 2015, 2012, 2009 and 2006 International Mechanical® Code (IMC)

1.2 Compliance to the following Standards:

- ASTM E84-13a, Standard Test Method for Surface Burning Characteristics of Building Materials

1.3 Properties assessed:

- Surface Burning Characteristics

2.0 FINDINGS

2.1 Surface Burning Characteristics:

2.1.1 Modified ASTM 84 Test. For this test the Lubrizol material was formed into pipe and fittings, with the tunnel outfitted for one pipe. The specimens recognized in Sections 2.1.2, 2.1.3 and 2.1.4 of this report are not conducive to the 20 inch x 24 feet long full coverage specified by ASTM E84 and only provide a certain percent coverage of the total area of the surface exposed to the flame. The tested specimens are representative of the installed product.

2.1.2 The FlowGuard Gold® CPVC Compound In SDR 11 Sizes ½ to 2 inch: The FlowGuard Gold® CPVC compound when formed into pipe and fittings with wall thickness in accordance with SDR 11 as defined in ASTM D2846 and tested as a single row of pipe in a modified ASTM E84,, both dry and water-filled test specimens exhibited a flame-spread index of less than 25 and a smoke developed index less than 50,satisfying the requirements for installation in plenums spaces or within ducts in accordance with UMC and IMC Sections 602.2.

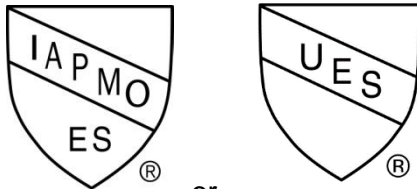
2.1.3 The Corzan® CPVC Compound Sizes In Schedule 80 Sizes ½ to 6 inch: The Corzan® CPVC compound when formed into pipe and fittings with wall thickness in accordance with Schedule 80 as defined in ASTM F441 and ASTM F439 and tested as a single row of pipe in accordance with modified ASTM E84, water-filled test specimens exhibited a flame-spread index of less than 25 and a smoke developed index less than 50, satisfying the requirements for installation in plenum spaces or within ducts in accordance with UMC and IMC Sections 602.2.

2.1.4 The Corzan® CPVC Compound Sizes in Schedule 80 Sizes ½ to 2 inch: The Corzan® CPVC compound when formed into pipe and fittings with wall thickness in accordance with Schedule 80 as defined in ASTM F441 and ASTM F439 and tested as a single row of pipe in accordance with modified ASTM E84, dry test specimens exhibited a flame-spread index of less than 25 and a smoke developed index less than 50, satisfying the requirements for installation in plenum spaces or within ducts in accordance with UMC and IMC Section 602.2.



3.0 IDENTIFICATION

The FlowGuard Gold® and Corzan® CPVC Pipe and Fittings products are identified with a label on the carton or box identifying the company name (Lubrizol Advanced Materials, Inc.), the model number, the name of the inspection agency (IAPMO), the IAPMO UES Mark of Conformity, and the Uniform Evaluation Listing Number (UEL-5002). Either Mark of Conformity may be used as shown below:



or

IAPMO UES UEL-5002

Brian Gerber, P.E., S.E.
Vice President, Technical Operations
Uniform Evaluation Service

Richard Beck, PE, CBO, MCP
Vice President, Uniform Evaluation Service

GP Russ Chaney
CEO, The IAPMO Group

For additional information about this evaluation report please visit
www.uniform-es.org or email at info@uniform-es.org