



SIP No. 2020

Subject: Combustion Products

Date: November 2007

R-Control SIPs exhibit code required fire-performance as confirmed through extensive fire testing. These tests include ASTM E 84, ASTM E 119, UL 263, UL 1715, and UL 1256. These tests are designed to measure fire resistance but are not meant to provide a hazard assessment. This bulletin provides basic information on the combustion products of R-Control SIPs.

R-Control SIPs are manufactured from components that are organic in composition. When organic compounds burn, the major combustion by-products generated are Carbon Monoxide (CO) and Carbon Dioxide (CO₂). These gases are the primary by-products in most fires.

R-Control SIPs, when sheathed with gypsum board, meet or exceed the requirements for fire safety as mandated by building codes. However, should an R-Control SIP become involved in a fire situation, the combustion gases given off are similar to those produced through the combustion of common building materials such as wood.



R-Control SIPs are made exclusively with Foam-Control EPS. R-Control SIPs and Foam-Control EPS are manufactured by AFM Corporation licensees.

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