

## **AQUIS Compliance Document**

- International Mechanical Code
- Local Fire Code

### **IMC 2015 Compliance**

The International Mechanical Code (IMC) is a convention concentrating on the safety of heating, ventilation and air conditioning systems. It is published by the International Code Council (ICC) through the governmental consensus process and is updated on a three year cycle to include the latest advances in technology and safest mechanical practices. IMC 2003 or equivalent standards (i.e., NFPA 90A, International Mechanical Code, etc.) are the basis for all local fire codes.

Section 602.2.1 of IMC 2015 states that materials exposed within plenums shall be noncombustible and must meet the following requirements when tested at the actual applied thickness in accordance with ASTM E 84.

IMC 2015 Requirements:

- Maximum Flame-Spread Index of 25
- No Continued Progressive Combustion
- Maximum Smoke-Developed Index of 50

The AQUIS System exceeds the requirements of IMC 2015 by demonstrating a flame spread index of 15 without progressive combustion and a smoke developed index of 30 when tested at actual application thicknesses at a certified testing laboratory (Per Test Report Number: 676304-01).

Typical 2-part epoxies, like those used to refurbish air handling units, lack the fire test performance to meet the very demanding requirements of IMC 2015. Please note that the IMC 2015 requirement is far more stringent than the Class A fire rating as defined by NFPA. Class A also requires a maximum flame spread index of 25 flame but a smoke developed index of only 450.

The AQUIS System is a proprietary composite coating system designed to refurbish HVAC mechanical air handling units. When applied to the condensate pan and/or chamber floors, the AQUIS System eliminates standing water, abates pathogenic growth, halts corrosion and eliminates water leaks while complying with all regulatory requirements.



### **International Mechanical Code, Chapter 6, Duct Systems**

**“Section 602.2.1, Materials exposed within plenums shall be noncombustible or have a flame flame-spread index of not more than 25 and a smoke smoke-developed index of not more than 50 per American Society of Testing and Materials (ASTM) E 84”**

### **Joint Commission Note**

It should also be noted that compliance with NFPA 90A (equivalent to IMC 2015) is a requirement of the Joint Commission and is referenced under the NFPA Life Safety Code (NFPA 101).