

2006 CODE CHANGE IMPACT GREASE DUCTS



Require Testing to New Grease Duct Enclosure Test Standard

The 2006 International Mechanical Code (IMC) in section 506.3.10 now requires field installed grease duct enclosure systems to be tested to ASTM E2336. The 2006 Uniform Mechanical Code requires field installed grease duct enclosure systems to be installed per NFPA 96, which also now requires testing per ASTM E2336. Specific reference to ASTM E2336 in these model codes eliminates confusion with previous building code language which referenced testing per a "nationally recognized test standard". This clarification now provides designers, contractors, and code enforcement officials clear guidance on how to specify and accept field installed grease duct enclosure systems.



What is ASTM E2336?

ASTM E2336 is an ANSI approved test standard published in 2004, and titled "Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems". ASTM E2336 evaluates enclosure systems for:

1. Non-combustibility per ASTM E136
2. Fire resistance per ASTM E119
3. Service durability per ASTM C518
4. Internal fire-clearance to combustibles (Section 16.4, ASTM E2336)
5. External fire engulfment performance and through-penetration firestop performance per ASTM E814 and ASTM E119



How do products show compliance to ASTM E2336?

ICC-ES reports have been issued to Thermal Ceramics and other manufacturers to provide clear code compliance. Third party design listing by UL and other nationally recognized laboratories are also evidence of compliance to ASTM E2336.

How does this effect specifications, installations, and inspection?

Systems that meet ASTM E2336 are typically two layers of either 1-1/2" (38mm) or 2" (50mm) insulation. Specifications need to be updated to call for ASTM E2336 to avoid confusion at the bidding stage. Contractors need to clarify with their local code officials when enforcement of the 2006 IMC will commence.

Thermal Ceramics provides another Innovation Solution!

FireMaster FastWrap XL and Pyroscat Duct Wrap XL are ICC-ES approved (ESR 2213 and ESR 2832), and UL Listed (HNKT G18) per the criteria of ASTM E2336. Both products are thin at 1-1/2" (38mm) and lightweight at 6 pcf (96 kg/m³) and contractor friendly with no overlaps on the inside layer.

