

Morgan Thermal Ceramics

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Re: Fire Rated Insulation Specification for Grease and HVAC Duct

Dear Specifier,

Thermal Ceramics full 3-Part CSI specification for FireMaster and Pyroscat fire rated enclosure systems is available at www.arcata.com, search for "Thermal Ceramics". Presented below are the essential components to a minimum specification for "Fire Rated Insulation" to be included in Sections 23 07 00 (or 15080 for MasterFormat 1995).

FIRE-RATED INSULATION SYSTEMS

[Retain this article for fire-rated insulation for Type I, commercial, kitchen hood exhaust ductwork.](#)

A. Thermal Ceramics FireMaster FastWrap XL or Pyroscat Duct Wrap XL for Type I, commercial, kitchen hood exhaust ductwork: Insulation enclosure system tested and classified by UL (HNKT G18) to provide zero clearance to combustible construction and [1] [2]-hour fire rating per ASTM E 2336. Installation shall be performed by an experienced contractor per manufacturer instructions, UL Listing HNKT.G-18, and ICC-ES building code report (ESR 2213 or ESR 2832). Provide UL Listed liquid tight Thermal Ceramics FastDoor XL access doors where required by code. Sheet metal and insulation contractors shall coordinate installation of FastDoor XL.

[Retain this article for fire-rated insulation for use as an alternative to rated shaft construction and /or dampers for HVAC ductwork.](#)

B. Thermal Ceramics FireMaster FastWrap XL or Pyroscat Duct Wrap XL enclosure system for HVAC ducts required to be in rated construction: Insulation enclosure system tested and classified by UL (HNLJ V19) to provide a 1 or 2-hour fire rating or UL (HNLJ V2) to provide a 3-hour fire rating per ISO 6944 and acceptable to authority having jurisdiction. Installation shall be performed by an experience contractor per manufacturer written instructions and applicable UL Listings.