

FyreWrap® DPS Insulation for Dryer Ducts & Plenums

Recent NFPA statistics indicate significant injuries, loss of life and property damage due to clothes dryer fires in residential buildings. At the same time, code requirements for dryer exhaust ductwork in multi-family residences have been difficult to achieve in real-world conditions – until now.

The Unifrax Solution: An Application-Specific Tested System

FyreWrap® DPS Insulation from Unifrax is a new and innovative product that provides a safe and cost effective means to achieve a 1-hour fire resistance-rated enclosure for routing dryer ductwork through fire resistance-rated wood truss/joist construction.



The lightweight core insulation utilizes a ½", high temperature insulation blanket specifically designed, UL tested and classified to provide a single layer, 1-hour rated flexible enclosure around dryer and residential kitchen exhaust ductwork. The product also provides code compliant fire protection for combustible items such as plastic pipes by preventing flame propagation and smoke development in the plenum area.

Meets 2012 IBC & IMC Requirements

Multi-unit wood structures, three stories or under have wall and floor/ceiling assemblies that are required by the International Building Code (IBC) to have 1-hour fire resistance-rated construction as a means of fire compartmentalization. In these types of residences, it is common for clothes dryers to be located within a room in the dwelling unit with the exhaust ventilation routed between the studs of an interior wall cavity, and then run up or down and through

the rated floor/ceiling assembly. Any item, including dryer ductwork, which penetrates or runs through these rated assemblies, must be protected per IBC section 717.6.2. International Mechanical Code (IMC) section 504.2 further reinforces IBC rationale by reaffirming that any dryer duct that penetrates a fire resistance-rated assembly must maintain the fire resistance rating of the assembly, i.e. shaft enclosure or tested/certified shaft alternative.



FyreWrap® DPS Advantages

- ONE product for both dryer and plenum applications.
- Fire-rated enclosure for dryer ductwork.
- Protects combustible items in plenums.
- 50% thinner and 33% lighter than available competitive systems.
- Specialized product width for 4" dryer ductwork offers 25% material savings when compared to competitive systems without material cutting or scrap.
- Complies with 2012 IBC and IMC.
- Thin, lightweight, flexible blanket allows for easy installation.
- Saves space when compared to traditional gypsum shaft enclosures.
- Utilizes high temperature, low bio persistence insulation.

For More Information

More information on FyreWrap DPS and our complete line of FyreWrap products is available at www.arcata.com and www.unifrax.com or by calling 716-768-6500.

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