



# Industry Leading

Air & Vapor Barriers and Fireproofing

Murphy Company offers a wide range of products and services that help boost the performance, efficiency and lifelong value of buildings. Among our products are barriers that protect steel from fire and the entire building from the harmful effects of leaks of air and moisture into and out of the structure. When it comes to air and vapor barriers and fireproofing, the experts at Murphy Company can recommend a solution that is right for your project.



[murphycompanyusa.com](http://murphycompanyusa.com)

# Fireproofing

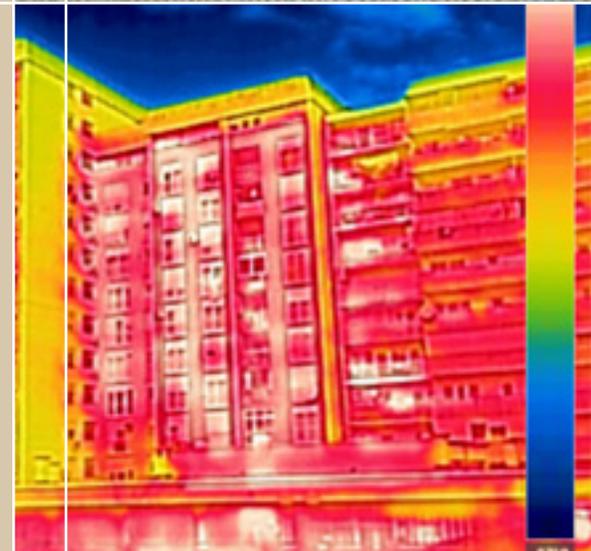
Murphy Company uses primarily intumescent or solvent-based fireproofing applications, and work in both 1- and 2-hour ratings. Intumescent coatings work by charring and expanding typically to 25 times their original thickness when engulfed in flames. The increase in volume and decrease in density of the coating slows the heating of the underlying steel, increasing the time before the steel itself starts to melt. Murphy Company has access to a broad selection of products to meet your specific needs.

Our solutions are a decorative, fiber free, thin film intumescent coating designed for the fire protection of steelwork for up to a 3-hour fire rating, depending on the design. The recommended use for this product is fireproofing of interior steel beams, columns, tubes and pipes.

When it comes to creating barriers to fire and air / vapor within your buildings, trust Murphy Company to identify the ideal solution for your needs.

## Murphy Intumescent Coating Fireproofing Advantages:

- Coat many types of steel sections
- Provides a decorative, durable finish opening up the use of steel as a design element
- A thin film coat ideal for tight spaces
- Relative ease of application compared to other fireproofing systems
- Can be LEED compliant



# Air & Vapor Barriers

An air barrier is a system of water and solvent-based materials that control the movement of air, water and vapor both into and outside of a building. An air barrier “wraps” the building and ensures that it is protected from the negative effects of air leakage.

Murphy Company often recommends fluid applied air/vapor barriers and their complimentary accessory products which work together in providing a seamless barrier that guards against uncontrolled leakage of air, excessive energy usage, poor interior air quality and moisture damage. These products also provide the flexibility to evolve with each of your project designs.

## Murphy

### Air/Vapor Barrier Advantage:

- Experience to Select the Most Durable Solution for your Project - We choose from many options to find high performance products that hold up to pressures from wind, stack effect and variable climates.
- Everything Needed - Murphy will deliver everything needed, including fluid applied and transitional product that meet all your projects design needs.
- Professional Support - Working with our vendors, Murphy will provide certified staff to assist with design and application inquiries, LEED® certification, pre-construction meetings and product selection.
- LEED® Certification - We can select products that contribute eligibility to multiple LEED points and to the attainment of LEED certification.
- Products that have National Fire Protection Standards - The use of water resistive components such as air barriers in modern construction has created a need for testing to ensure these materials don't propagate fire within buildings. Murphy selects products that meet the National Fire Prevention Association (NFPA) 285 standard for use in non-combustible construction.

## The Objective Of An Air Barrier:



Improved  
Air Quality  
And Comfort



Reduced  
Mold And  
Mildew Damage



Reduced  
Energy  
Costs



Lengthened Life  
Span Of  
The Building



Prevented  
Premature  
Degradation



Increased  
Building  
Performance



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**C O M P A N Y**

Insulation & Construction Services

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