

A large blue geometric graphic consisting of several overlapping trapezoidal shapes, creating a dynamic, angular composition on the left side of the page.

FIREFLEX FR HOUSE WRAP

Brought To America and the Surrounding
Areas by Flexible Building Products



FireFlex FR

Unrivaled Fire Resistance: FireFlex FR is engineered with state-of-the-art materials that grant it exceptional fire resistance. It can withstand extreme temperatures and significantly retards the spread of flames, offering crucial time for occupants to evacuate safely and maintain structural integrity of the home.

Compliance and Assurance: With a class A fire rating, our product adheres to the strictest fire safety regulations and standards. By integrating FireFlex FR into your projects, you ensure compliance while providing unmatched peace of mind to your clients.

Seamless Integration: FireFlex FR is designed for easy installation and can seamlessly fit into any construction project, whether it's residential, commercial, or industrial. It offers builders versatility without compromising safety.

Energy Efficiency: Beyond fire resistance, our house wrap delivers excellent insulation properties, enhancing the building's energy efficiency. This can translate into long-term cost savings for your clients.

Enhanced Reputation: By adopting innovative safety measures like FireFlex FR, you elevate your construction business above the competition. Clients will value your commitment to their safety and well-being.

Product Attributes

NFPA Class A Fire Classification. Non-combustible. Emits little or no smoke. Produces no flaming droplets or particles within first 10 minutes of fire exposure.

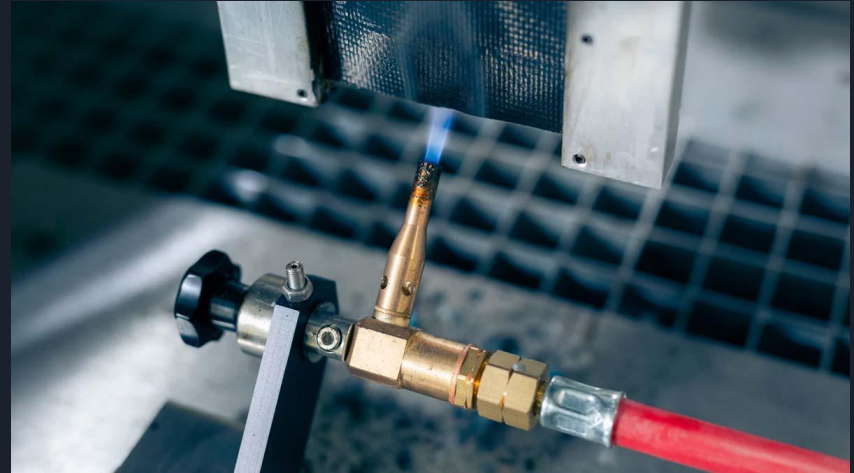
Material is made of Aluminum, Glass Fiber Fabric, Black Lacquer Primer, Flame Retardant Glue

Aluminum has a relatively high melting point, approximately **1,221 degrees Fahrenheit** (660 degrees Celsius)

Low Thermal Conductivity: Aluminum has a relatively low thermal conductivity, which means it does not conduct heat as readily as materials like steel. In a fire, this property can help limit the transfer of heat to neighboring structures or materials, preventing the fire from spreading.

Heat Reflectivity: Aluminum has excellent heat reflectivity properties. It reflects heat and light energy away from its surface, reducing its own temperature in a fire. This property helps prevent the material from reaching its melting point, further enhancing its fire resistance.

Minimal Off-Gassing: When aluminum is exposed to high temperatures, it does not release harmful gases or toxic fumes. This is in contrast to some other materials, such as plastics, which can emit toxic fumes when they burn. Aluminum's minimal off-gassing is an important safety feature in fire-resistant applications.





Why FireFlex FR

Fire Barrier: FireFlex FR serves as a barrier that resists the spread of flames. When installed as house wrap, it can slow down the progress of a fire, preventing it from rapidly consuming the structure.

Reduced Ignition Risk: By incorporating FireFlex FR into the building envelope, you reduce the risk of the wrap itself igniting, which can be a significant concern with conventional house wraps that are not fire-resistant.

Increased Escape Time: In the unfortunate event of a house fire, every second counts. FireFlex FR's fire-resistant properties provide occupants with valuable extra time to evacuate safely, potentially saving lives.

Enhanced Structural Integrity: FireFlex FR helps maintain the structural integrity of the building by withstanding high temperatures and preventing rapid weakening or collapse, which can occur with non-fire-resistant materials.

Minimized Fire Spread: By limiting the fire's ability to spread both internally and externally, FireFlex FR can reduce the overall damage caused by a house fire and prevent it from spreading to neighboring properties.

Compliance with Safety Standards: FireFlex FR is designed to meet or exceed fire safety regulations and standards, ensuring that your construction projects are in compliance with safety codes and regulations.

Peace of Mind: Using FireFlex FR provides peace of mind to homeowners and builders, knowing that they have taken proactive measures to enhance fire safety in residential and commercial structures.

Why FireFlex FR



New building materials can sometimes be more susceptible to burning faster due to their composition and properties:

Synthetic Materials: Some contemporary building materials, such as synthetic insulation, plastics, and composite materials, are derived from petrochemicals and have a higher flammability risk compared to traditional construction materials like wood or concrete.

Innovative Construction Methods: Modern construction techniques, such as open-plan designs and the use of large, open spaces, can promote the rapid spread of flames and heat in a building, especially if fire-resistant measures are not adequately implemented.

Integration of Electrical Components: Many new materials incorporate electrical or electronic components, which can pose an increased fire risk if these components fail or short-circuit during a fire.

Why Now

There have been 43,899 fires this year that have burned 2.33 million acres.

- There are currently 56 large wildfires burning just under 400,000 acres across 10 states.

A house fire occurs **every 89 seconds on average nationwide**, according to the NFPA

- An estimated 358,500 home fires occur every year. House fires cause 2,620 civilian deaths each year, on average

(NFPA Statistics as of September 1st 2023)



Our Testing

