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› BRB Products FireMaster FastWrap XL Installation and Use Manual

**BRB Products 1 1/2" X24" X25' 6#**

# BRB Products FireMaster FastWrap XL Installation and Use Manual

Model: 1 1/2" X24" X25' 6#

## 1. PRODUCT OVERVIEW

The BRB Products FireMaster FastWrap XL is a flexible, high-temperature insulation blanket designed for fire resistive enclosure protection. It is composed of fibers rated for applications up to 2192°F (1200°C) and is fully encapsulated in a durable, fiber-reinforced foil facing. This design facilitates easy handling and installation.

FastWrap XL is UL and ULC Listed for various life-safety applications, including 1- and 2-hour fire resistive enclosure protection, zero clearance for kitchen exhaust ducts, electrical circuit protection, and as a component in UL firestop designs for fire resistance rated floors, ceilings, and walls. The core fibers utilize Thermal Ceramics' patented Superwool fiber, an alkaline-earth silicate wool known for its low bio-persistence, enhancing safety for installers.

### Key Features:

- 2-hour enclosure and firestop system for kitchen exhaust ducts.
- UL and ULC Listed for grease duct installation with butt joints at all seams on both layers.
- Fully foil encapsulated for clean and efficient installation.
- Contains fibers rated for 2192°F (1200°C).
- Microbial Resistance validated by UL Environment.
- Provides good sound absorption properties.
- Compliant with IMC, NFPA 96, UMC, CMC, and CNBC standards.

## 2. SAFETY INFORMATION

Always prioritize safety during handling and installation of FireMaster FastWrap XL. Adhere to all local building codes and safety regulations.

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including gloves, eye protection, and a dust mask or respirator, to prevent skin irritation and inhalation of fibers.
- **Ventilation:** Ensure adequate ventilation in the work area.
- **Handling:** Handle the material carefully to avoid damage to the foil encapsulation.
- **Disposal:** Dispose of waste material according to local regulations for construction debris.
- **Fire Safety:** While the product is fire-resistive, standard fire safety precautions should be observed during installation, especially when working near heat sources or open flames.

### 3. INSTALLATION GUIDELINES

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Proper installation is crucial for the FireMaster FastWrap XL to perform as intended. Refer to UL and ULC listings for specific assembly details and requirements for your application.

#### 3.1 Preparation

- Ensure the surface to be wrapped is clean, dry, and free from obstructions.
- Measure the dimensions of the duct, pipe, or enclosure accurately to determine the required length and width of the wrap.
- Unroll the FastWrap XL in a clean, flat area.

#### 3.2 Cutting

Cut the FastWrap XL to the required dimensions using a sharp utility knife. Ensure clean, straight cuts to facilitate proper butt joints.



Figure 1: A roll of BRB Products FireMaster FastWrap XL, showing its foil-encapsulated design. This material is designed for high-temperature fire resistive applications.

#### 3.3 Application

1. **Wrapping:** Begin wrapping the FastWrap XL around the duct or component, ensuring a snug fit

- without compressing the material excessively.
2. **Butt Joints:** For UL/ULC listed applications, all seams must be butt joints. Ensure the edges of the wrap meet precisely without gaps or overlaps.
  3. **Securing:** Secure the wrap in place using appropriate fasteners or banding as specified in the relevant UL/ULC design. Typically, stainless steel bands or wires are used.
  4. **Multiple Layers:** For 2-hour ratings or specific designs, multiple layers of FastWrap XL may be required. Ensure each layer is applied correctly with butt joints.
  5. **Sealing:** Seal all seams and penetrations with foil tape or other approved sealants to maintain the integrity of the fire resistive system.



Figure 2: Close-up view of hands applying FireMaster FastWrap XL to a duct, demonstrating the process of securing the material and ensuring proper seam alignment.

## 4. MAINTENANCE

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Once installed, FireMaster FastWrap XL requires minimal maintenance. However, periodic inspection is recommended to ensure its continued integrity and performance.

- **Visual Inspection:** Regularly inspect the installed wrap for any signs of physical damage, tears in the foil, or displacement.
- **Damage Repair:** If minor damage is observed, repair it promptly using approved methods and materials, such as foil tape, to maintain the fire rating. For significant damage, consult a qualified professional for assessment and repair or replacement.
- **Environmental Factors:** Ensure the installed wrap is not exposed to conditions that could compromise its integrity, such as excessive moisture or chemical exposure, unless specifically designed for such environments.

## 5. TROUBLESHOOTING

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This section addresses common concerns related to the installation and performance of FireMaster FastWrap XL.

Problem	Possible Cause	Solution
Gaps or loose seams after installation.	Improper cutting or insufficient securing.	Re-cut and re-apply the section, ensuring tight butt joints and proper fastening. Seal with approved foil tape.
Foil facing tears during handling.	Rough handling or sharp edges on the substrate.	Handle with care. Repair minor tears with approved foil tape. For large tears, replace the section.
Material does not conform well to irregular shapes.	Attempting to force the material or incorrect cutting.	Ensure proper relief cuts are made for complex geometries. Consult specific UL/ULC designs for irregular shapes.

## 6. SPECIFICATIONS

Attribute	Detail
Brand	BRB Products
Model Number	1 1/2" X24" X25' 6#
Material	Ceramic, Foil, Wool (Superwool fiber)
Item Thickness	1.5 Inches
Product Dimensions	300"L x 24"W (25 feet x 24 inches)
Coverage	50 square feet per roll
Item Weight	49 pounds
Color	Gray
Temperature Rating	Up to 2192°F (1200°C)
Recommended Uses	Fire Resistance (kitchen exhaust ducts, electrical circuits, firestop designs)
Certifications	UL and ULC Listed, UL Follow-Up Service Program, Microbial Resistance validated by UL Environment
UPC	613497354497

## 7. WARRANTY AND SUPPORT

For specific warranty information regarding the FireMaster FastWrap XL, please contact BRB Products directly or refer to the documentation provided with your purchase. For technical support, installation guidance, or any product-related inquiries, please reach out to BRB Products customer service. Contact information for BRB Products can typically be found on their official website or on the product packaging.

