

FyreWrap® Elite® 1.5 Duct Insulation

Description

FyreWrap® Elite® 1.5 Duct Insulation from Unifrax is a non-combustible, flexible, high-temperature insulation blanket with global certifications to provide high performance passive fire protection. FyreWrap Elite 1.5 has been qualified per multiple test standards to ensure local approval and compliance with regional regulations.

Unifrax's FyreWrap Elite 1.5 has been the product of choice to protect kitchen exhaust ducts, and other air distribution systems that are critical to life safety at some of the world's most prominent buildings. A few examples are:

- Alder Hey Children's Hospital
- Bahrain Airport
- Bank of America
- Barangaroo
- Borgata Hotel and Casino
- Burj Doha
- Burj Khalifa Tower
- Central Bank of Ireland
- Four Seasons Hotel
- Hilton Disney
- Intercontinental Hotel
- Manchester Airport
- Mandalay Bay Casino
- McCormick Convention Center
- NBA Bobcats Arena
- New Royal Adelaide Hospital
- NFL Dallas Cowboys' Stadium
- One World Trade Center
- Perth Airport
- St. Jude Hospital

General Approvals

FyreWrap Elite 1.5 Duct Insulation is approved to provide a multiple hour fire rating for both Grease Ducts and Air Ducts critical to life safety. These systems are thoroughly tested to many different global standards. As necessary, these systems can provide the combined performance of stability, integrity, and insulation. Please contact your local office for information on how FyreWrap can help solve your fire protection needs.

System specific product information sheets and installation instruction are available at www.unifrax.com, or by contacting Unifrax Fire Protection Application Engineering at +1.716.768.6298.



Systems Approved to Comply With

Australia National Code Council	International Mechanical Code (IMC)
British Standards	NFPA 101 2015
European Norm Building Codes	NFPA 92A 2015
Greenguard	NFPA 92B 2015
ICBO Uniform Mechanical Code	NFPA All Editions
ICBO Uniform Building Code	Oman Civil Defense Approval
International Building Code(IBC)	UAE Fire and Life Safety Code of Practice
Bahrain Civil Defense	Qatar Civil Defense

Grease Duct

AS 1530.4
 ASTM C518 Thermal Resistance
 ASTM C518 Durability
 ASTM D6329-03 Microbial Resistance
 ASTM E119 Vertical Wall
 ASTM E136 Non-Combustibility
 ASTM E2336
 ASTM E814 Firestop Test
 ASTM E84
 BS 476
 CAN/ULC-S144
 EN 1366-1
 ICC Evaluation Services Report ESR-2224
 Intertek Laboratories Listed Systems
 UL 723

Air Duct

AS 1530.4
 ASTM C518 Thermal Resistance
 ASTM C518 Durability
 ASTM D6329-03 Microbial Resistance
 ASTM E119 Vertical Wall
 ASTM E136 Non-Combustibility
 ASTM E2816
 ASTM E814 Firestop Test
 ASTM E84
 BS 476-24
 EN 1366-1
 EN 1366-8
 Greenguard Antimicrobial Resistance
 Intertek Laboratories Listed Systems
 ISO 6944
 UL 723
 UL Evaluation Report ER14514-01

Unifrax has multiple material solutions for the following applications

- Grease Ducts
- HVAC/Smoke Extract Ducts
- Cable Trays, Conduits
- Above Ground Storage Tanks
- Marine Bulkheads/Decks
- Construction Joints
- Curtain Walls/Safing
- Circuit Protection
- T-Ratings
- Railroad Tank Cars
- Transit Cars
- Ships
- Expansion Joints
- Fire Door Seals
- Chimney Liners
- Ceiling Air Diffusers
- Hazardous Material Storage Containers
- Structural Steel



Example Installation Instructions

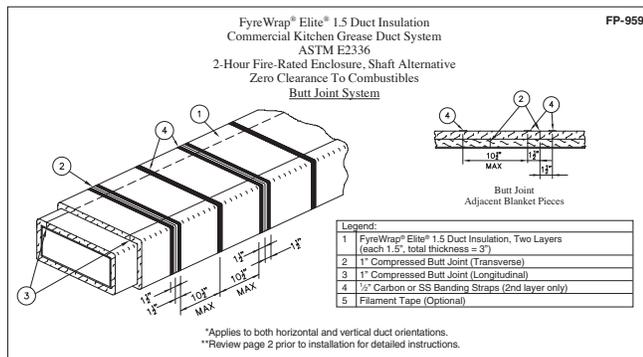


Figure 1. Example Grease Duct Installation Instructions

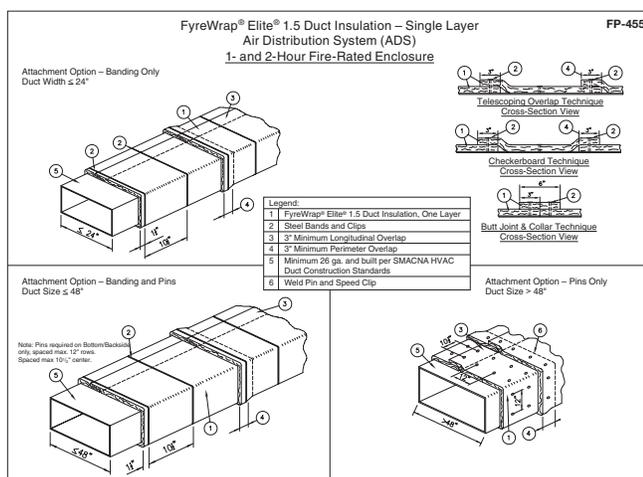


Figure 2. Example Air Duct Installation Instructions

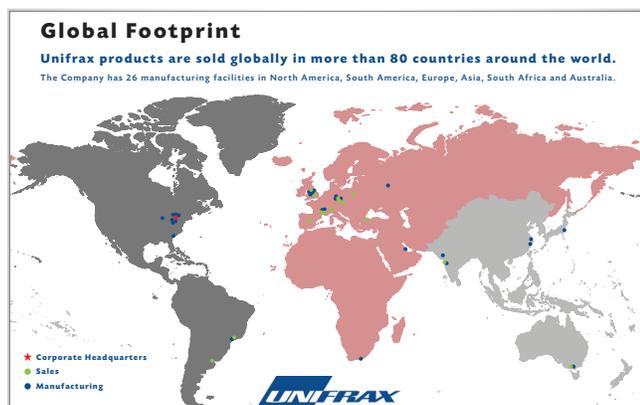
Health and Safety Information

FyreWrap Elite 1.5 Duct Insulation from Unifrax, according to Directive 97/69/EC, possesses a fiber chemistry within the regulatory definition of a “man-made vitreous (silicate) fiber with random orientation with alkaline oxide and alkaline earth oxide content greater than 18% by weight.” Elite fibers have been tested pursuant to EU protocol ECB/TM/26, Revision 7, Nota Q, Directive 97/69/EC, with results that are below regulatory thresholds. As a result, Elite Blanket does not require additional labeling or further testing. Refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

Core Material: FyreWrap Elite 1.5 Duct Insulation incorporates Insulfrax® Thermal Insulation as its core material. Insulfrax is a high-temperature insulation made from calcia, magnesia, silica chemistry designed to enhance biosolubility. It provides excellent insulation in a non-combustible blanket form.

Encapsulating Material: The core insulation is completely encapsulated in an aluminum foil, fiberglass-reinforced scrim covering. This scrim provides additional handling strength as well as protection from tearing and moisture absorption.

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