

# TECHNICAL DATA

## FSB

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# FLAMESHIELD BLANKET™

### Product Introduction

Flameshield Blanket (FSB) is a lightweight, flexible wrap. Its inner structure is composed of long strand, high strength, non-combustible fibers needled into a tight blanket with superior handling properties and rated for extreme heat temperatures.

Flameshield Blanket is the industry's only flexible duct insulation available unfaced, foil on one side, foil on two sides, or fully encapsulated. Any combination of these products will satisfy the UL 1978 standard and the NFPA guideline for two-hour rated grease duct enclosures and zero clearance to combustibles. The durable, lightweight facing is composed of scrim reinforced foil. This tough exterior is built to resist the rigors of installation. The foil facings are adhered to the fiber blanket with a full surface coating of high temperature sodium silicate adhesive which prevents delamination during fabrication.

Flameshield Blanket has the lowest installed cost of any flexible blanket product on the market. That's because only FSB allows you to butt fit the first layer during installation (in accordance with ETS Schaefer Corporation's installation guidelines). Eliminating overlap yields a material savings of up to 12.5% on a typical installation.

### Uses

Grease Exhaust Ducts, Process Exhaust Ducts, Fire Rated Air Exhaust, Chemical Exhaust Ducts, HVAC Ducts, Furnace Exhaust Ducts, Flammable or Hazardous Exhaust Ducts.

### Sizes & Properties

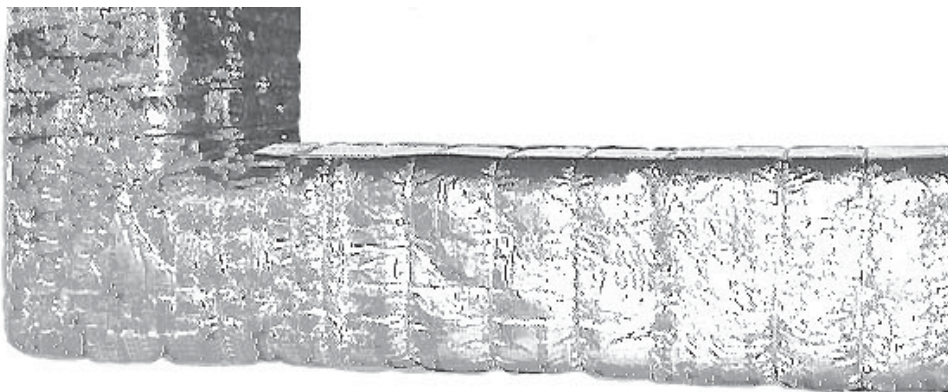
Thickness..... 1 1/2"  
Widths..... 24" & 48"  
Length..... 12 1/2' & 25'  
Facings..... Foil 1 Side  
                                    Foil 2 Sides  
                                    Encapsulated  
Density..... 6 pcf  
Operating Temperature..... 2300°F  
Melting Point..... 3200°F

### Test Compliance

UL 1978 "2-hour Grease Duct Enclosure"  
ASTM E-84  
ASTM E-814 (UL 1479)  
ASTM C-411  
ASTM E-136  
ASTM E-119-95  
ASTM E-119-95A Modified  
ASTM C-518-91  
ISO 6944  
NFPA 96 Compliant  
Uniform Mechanical Code  
Uniform Building Code  
NFPA 101 Life Safety Code  
International Mechanical Code  
Flame Spread Index..... 0 (feet)  
Smoke Developed..... 0  
Fuel Contribution..... 0



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