

# INSULFLEX<sup>®</sup>

## Technical Data Sheet

### Pyreflect™ Blanket

Product Name: Pyreflect™ Blanket

Technical Description: A highly reflective engineered blanket. This blanket has a mylar surface applied onto one side of a aramid substrate. The aramid substrate is a blend of both Kevlar and Nomex. Pyreflect blanket is very durable and abrasion resistant.



Temperature Capabilities: Rated for 650°F (343°C) continuous, 1000°F (538°C) intermittent radiant heat.

Product Overview: Pyreflect is designed to reflect radiant heat, and exhibit the properties of flexibility, abrasion resistance, toughness and tensile strength.

Pyreflect blanket is designed to shed both ferrous and non-ferrous molten metal splash and is impervious to most liquids including those with a hydrocarbon base.

The Kevlar /Nomex inner core offers excellent long-term heat resistance. The mylar aluminization on the outer surface reflects the majority of the radiant heat, minimizing the heat energy transfer through the blanket.

Dimensional Data: Available in 20oz/yd<sup>2</sup> (678 grams/m<sup>2</sup>) weight - coated 1 side only  
Roll width available: 40" (1016 mm) and 60" (1525mm)  
Nominal Thickness: 0.050" (1.27mm)

Breaking Strength :  
Warp: 250lbs/inch  
Fill: 100lbs/inch

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Flame Resistance: The char length and the time required for a flame to extinguish. Test method 5903.

After flame: 2.0 seconds

Flammability Char length: 0.5 inches

Afterglow: 35 seconds

Low Temp. Resistance: No breaking, shattering, or cracking of the coating after conditioning for 4 hours at -20°F.

Supplied in custom lengths to meet application requirements up to 150ft (45m)

Installation: Depends on a wide variety of application parameters.

Cautionary Notes: Not recommended for extreme molten splash applications.

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