

PLENUMSHIELD® BLANKET

Product Introduction

ETS Schaefer Plenumshield Blanket (PSB™) is a lightweight, high temperature insulation blanket specifically designed to provide a single layer, flexible enclosure around combustible items located within fire rated return air plenums. New construction, building renovations or modifications to the electrical and mechanical systems may result in the installation of plastic pipe that cannot meet the minimum combustibility requirements defined in the Mechanical Code. PSB insulation provides fire protection for these installed items by preventing flame propagation and smoke development in the plenum area.

Application

ETS Schaefer PSB™ is applied in one layer with all joints overlapping a minimum of 1". PSB™ is secured by using either a minimum of 18 gauge stainless steel tie wire which is twist tensioned, or a minimum of .010" thick, ½" wide stainless steel banding with crimp clips. Wire or bands are placed 1 ½" from the edge of the blanket and 10" on center. The product may be removed and reapplied since there is no aging or degradation of the product during normal use.

Sizes & Properties

| Thickness | 1/2" |
|-----------------------|-------------|
| Widths | 24" & 48" |
| Length | . 25' |
| Facings | |
| | Foil 1 side |
| Density | 6 pcf |
| Operating Temperature | 2300°F |
| Melting Point | 3200°F |

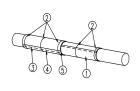
Test Compliance ASTM C518 ASTM E-84 **ASTM E-136** UL 910 UL 1887 UL 1887 (Modified) Max. Flame Spread......0 (feet) Max Smoke......0.01 (optical) Average Smoke...... 0 (optical) Flame Spread...... Fuel Contribution.....0

Uses

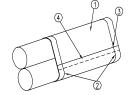
Combustible Pipes: PVC, CPVC, PB, PE, PP, PVDF, and ABS Telecommunication and Power Cable Systems.

Typical Installations

Figure 1: 4" Single Plastic Pipe



| Figure | 2: | 4" | Plastic | Pipe | Bundle |
|--------|----|----|---------|------|--------|
| | | | | 1 | |



| 1 | PSB Plenum Insulation |
|---|------------------------------|
| 2 | SS Tie W ime or Banding |
| 3 | Alminm FoilTape (optional) |
| 4 | Penineter O verbip 1 " m in. |
| 5 | LongitudinalO verbap 1 "min. |

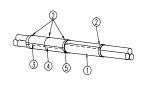


Figure 3: 1" Plastic Pipe Bundle

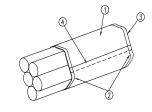


Figure 4: 2" Plastic Pipe Bundle

