

Where innovative ideas take hold.

**PRODUCT DESCRIPTION:**

FB 35 is an FSK (Foil-Scrim-Kraft) product used in various insulation applications where a general use vapor retarder or facing is needed. It features a slightly heavier aluminum foil and reinforcing pattern than our FB 30. It is also a good choice for radiant barrier applications because of its extremely low emissivity.

Please contact Technical Service for help with product and applications questions at 877-5COMPAC (1-877-526-6722).

| PRODUCT STRUCTURE             | DESCRIPTION     | DIMENSIONS         |               |
|-------------------------------|-----------------|--------------------|---------------|
| Finish Side Substrate         | Aluminum Foil   | 0.00035 inch       | 7.6 micron    |
| Adhesive                      | Flame Retardant | High Performance   |               |
| Machine Direction Reinforcing | Fiberglass      | 2/inch             | 12 mm spacing |
| Cross Direction Reinforcing   | Fiberglass      | 3/inch             | 8 mm spacing  |
| Back Side Substrate           | Natural Kraft   | 30 lb./3000 sq. ft | 49 g/sq.m     |

| PHYSICAL PROPERTY                  | TEST METHOD                   | VALUE                        |                      |
|------------------------------------|-------------------------------|------------------------------|----------------------|
| Permeance                          | ASTM E 96, Procedure A        | 0.02 perm                    | 1.15 ng/sq.m·s·Pa    |
| Puncture Resistance                | TAPPI T 803                   | 25 Beach units               | 0.75 Joules          |
| Machine Direction Tensile Strength | ASTM D 828 (per C 1136)       | 40 lb/inch                   | 7.0 kN/m             |
| Cross Direction Tensile Strength   | ASTM D 828 (per C 1136)       | 30 lb/inch                   | 5.3 kN/m             |
| Burst Strength                     | ASTM D 774                    | 40 psi                       | 275 kPa              |
| Mold and Mildew Resistance         | ASTM C 1338                   | no growth of organisms       |                      |
| Humidity Resistance                | ASTM C 1258                   | no corrosion or delamination |                      |
| Dimensional Stability              | ASTM D 1204 @ 150°F (65°C)    | does not exceed 0.5% change  |                      |
| Low Temperature Resistance         | ASTM C 1263 (per C 1136)      | -41°F                        | -41°C                |
| High Temperature Resistance        | ASTM C 1263 (per C 1136)      | +240°F                       | +115°C               |
| Emissivity                         | ASTM C 1371                   | 0.03                         |                      |
| Thickness, Nominal                 | Micrometer at Thickest Points | 8.0 mils                     | 200 microns          |
| Weight Per Area                    | Scale/Balance                 | 21 lb/1000 ft. <sup>2</sup>  | 103 g/m <sup>2</sup> |

| SURFACE BURNING CHARACTERISTICS | TEST METHOD      | VALUE                                   |               |
|---------------------------------|------------------|---|---------------|
| Flame Spread*                   | UL 723/ASTM E 84 | 10 foil side                            | 30 paper side |
| Smoke Developed*                | UL 723/ASTM E 84 | 0 foil side                             | 5 paper side  |
| Metal Building Composite **     | UL 723/ASTM E 84 | max. 25 flame spread/50 smoke developed |               |

This product meets or exceeds the requirements of ASTM C1136, type II and IV

Properties and parameters are typical, subject to change without notice, and not intended as product specifications. Weights and thicknesses are nominal, with ± 10% tolerance. \*Indicates Underwriter=s Laboratories classified products. \*\*With classified adhesive and application rate. U.L. File No. R4461.