

## **MR-MANUFACTURER**

THERMAFIBER® Insulations are manufactured by ThermaFiber LLC. United States Gypsum Company is sales agent.

## **PP-PRODUCT PRESENTATION**

### **THERMAFIBER Curtain Wall and THERMAFIBER FIRESpan Curtain Wall Insulations**

These curtain wall insulation products turn spandrel panels into fire barriers. Designed for quick mechanical attachment, these noncorrosive mineral fiber insulations function equally well in exterior column covers and in window and track fillers. THERMAFIBER Curtain Wall Insulation is available in three densities: 4 lb./cu. ft.--CW 40; 6 lb./cu. ft.--CW 70; 8 lb./cu.ft.--CW 90. UL-Labeled THERMAFIBER CW FIRESpan Insulation is available as FIRESpan-40 and FIRESpan-90. Both THERMAFIBER and THERMAFIBER CW FIRESpan Insulation are available in the three types listed below:

**Regular Curtain Wall Insulation** comes as semi-rigid blankets of unfaced felt for backing spandrel panels of opaque material where no vapor retarder is needed.

**FSP Curtain Wall Insulation** is the same as regular curtain wall insulation with a tough scrim-reinforced foil facing that serves as a vapor retarder. Facing adds durability for field installation.

**Dark Curtain Wall Insulation** is similar to regular curtain wall insulation except it has darker color for backing dark-colored translucent glass spandrel panels. Using dark insulation improves the look of the assembly.

**THERMAFIBER Safing Insulation** fills the void between slab edge and curtain wall insulation to contain fire. Foil-faced insulation impedes the passage of smoke and noxious gases. System components include 4" thick by 24" wide blankets of insulation and specially designed safing impaling clips.

**THERMAFIBER Sound Attenuation Fire Blankets (SAFB)** These are effective barriers to sound transmission for improved privacy and productivity in the workplace. They are particularly useful in partitions requiring fire ratings and as overlayment for ceilings to improve acoustics. Tests conducted at Riverbank Acoustical Laboratories found that partitions with THERMAFIBER SAFB (2.5 lb./cu. ft.) provided STC ratings up to 4 points higher than partitions with 1/2 to 1 inch thicker glass fiber insulation (0.7-0.8 lb./cu. ft.). THERMAFIBER SAFB are superior to glass fiber in sound attenuation. In fact, low density glass fiber insulation must be nearly twice as thick as standard THERMAFIBER SAFB to provide the same attenuation.

## **THERMAFIBER Commercial Blankets**

**FS-15 Commercial Blankets**, when installed in exterior load-bearing walls, reduce heat transmission, saving energy and improving occupant comfort. They are ideal for commercial wood- and steel-stud assemblies and exterior Z-furring. Flame spread rating is 15, smoke developed 0.

**FS-25 Commercial Blankets** provide thermal and sound control properties and are foil-faced with an FSP vapor retarder. Intended for most exposed-insulation and vapor-control situations such as floor/ceilings, walls or crawl spaces. Flame spread rating is 25, smoke developed 5.

## **UA-USES, APPLICATIONS**

These insulations may be used in exterior walls, interior walls and special applications to provide protection from fire, and increased thermal and sound properties.

## **AI-ASSEMBLY, INSTALLATION**

**Curtain Wall Insulation**--Mechanically attach insulation to inside of spandrel panels with fasteners approved by architect.

**Safing Insulation**--Install THERMAFIBER Safing Insulation (of proper size, 2"-8" max. opening, in safe-off area foil side up between THERMAFIBER Curtain Wall Insulation and floor slabs), on safing clips spaced as needed, 24" o.c. max. (3 clips per 4' bats), leaving no voids. Cut safing wider (1/2" min.) than opening to insure compression fit. Compress or install on wire hangers in all floor slab openings, to seal completely around telephone cables, ducts, piping or other utilities.

**Sound Attenuation Fire Blankets**--Install THERMAFIBER SAFB in stud cavities of sound-rated partitions and where required to achieve fire-rated design. Friction fit securely between studs. Butt ends of blankets closely together and fill all voids.

Install THERMAFIBER SAFB over ceiling panels (1-1/2" single or double layer over entire ceiling) (3" over entire ceiling) extending 48" beyond all partitions and tightly fit around all grillage, hangers and other vertical penetrations.

**FS-15**--Position THERMAFIBER FS-15 Commercial Blanket vertically against wall surface. Hold in place with a Z-furring channel according to directions. Position next blanket so that it abuts attached furring member, and hold in place with next furring channel.

**FS-25**--Install THERMAFIBER FS-25 Commercial Blankets in stud cavities where specified. Friction fit securely between studs. Install insulation between floor joists and support blankets with wire mesh, woven tie-wire or flexible metal rods. Butt ends of blankets closely together and fill all voids.

#### **MF-MATERIALS, FINISHES**

U.S. Gypsum Company offers a complete line of gypsum and gypsum board products to finish the partitions.

#### **CS-COATINGS, SURFACING**

The finished drywall or plaster partitions are coated and surfaced according to specifications.

#### **TS-TECHNICAL SUPPORT**

For further information on specifications, design criteria and product performance, order catalog *SA707 THERMAFIBER Life Safety Fire Containment Systems* by calling toll-free 1-800-USG-4YOU (874-4968).

#### **CC-CODES, COMPLIANCE**

These products meet ASTM C665, ASTM C612, ASTM E814 and ASTM C53. See SA707 for complete compliance data.

#### **OM-OPERATION, MAINTENANCE**

Contact local ThermaFiber LLC or U.S. Gypsum Company Sales Office with any questions about maintenance and replacement recommendations.