

MR-MANUFACTURER

THERMAFIBER® Safing Insulation is manufactured by ThermaFiber LLC. United States Gypsum Company is sales agent.

PP-PRODUCT PRESENTATION-

THERMAFIBER® Safing Insulation--for fire stops and fire containment. No other product works as efficiently and economically in so many tested and fire-rated assemblies and applications:

- * Curtain wall fire containment
- * Curtain wall smoke seal
- * Floor penetration firestop
- * Wall penetration firestop
- * Head of wall floor/roof firestop

THERMAFIBER Safing Insulation is a versatile, mineral-fiber insulation material that puts the safety in fire-safety systems. Its resistance to fire (remains in place at temperatures exceeding 2,000°F) and flexible make-up make it capable of filling almost any shape opening. When combined with THERMAFIBER® Curtain Wall or THERMAFIBER CW FIRESpan™ Insulation, it can provide floor to floor fire containment of up to three hours. With THERMAFIBER Curtain Wall Insulation and THERMAFIBER SMOKE SEAL Compound, it combines fire and smoke containment. When used with FIRECODE Compound, it provides the building industry's most economical and effective wall, floor/ceiling and top of wall fire stop.

Thirty-seven different assemblies provide fire-safety peace of mind. Thirty-seven different assemblies provide efficient performance and significant economy of construction.

UA-USES, APPLICATIONS

Fills voids between slab edge and THERMAFIBER Curtain Wall or THERMAFIBER CW FIRESpan Insulation to contain fire. Foil-faced THERMAFIBER Insulation impedes the passage of smoke and noxious gases as well as fire. Also principle material used to form-fill poke-through openings.

For curtain wall systems:

Fire-protection systems with the THERMAFIBER Safing Insulation stop fire at the juncture of floor slabs with exterior curtain wall systems of buildings. Seventeen systems utilizing THERMAFIBER Safing Insulation, THERMAFIBER Curtain Wall Insulation and, in some cases, THERMAFIBER CW FIRESpan Insulations and/or FIRECODE Compound, provide 1- to 3-hr. fire containment, preventing fire from spreading between the floor slab and the curtain wall or up the outside of the building. System tests for aluminum spandrel curtain walls include CEG 3-29-74 (5-hr.), USG 10-18-71 (2-hr.), WJE 72455 (2-hr.), UL Report Dated 9-30-94 (3-hr.) and USG 6-3-71 (1-hr.). System tests for granite curtain walls include CEG 4-23-90 (3-hr.), CEG 10-6-81 (2-hr.), CEG 1-15-90 (2-hr.) and CEG 7-27-81 (1-hr.). System tests for glass curtain walls include CEG 4-2-81 (3-hr.), UL Report Dated 1-11-93 (2-hr.), WJE 72481 (2-hr.), CEG 12-20-89 (2-hr.), CEG 1-16-90 (2-hr.), CEG 7-25-85 (1-hr.) and CEG 8-6-81 (1-hr.). One system test exists for gypsum sheathing curtain wall (UL Report Dated 4-8-94, 2-hr.).

THERMAFIBER Safing Insulation systems provide a wide array of performance features:

- * **Fire-resistant**--withstand ASTM E119 fire test conditions.
- * **Noncombustible**--per NFPA Standard 220 when tested in accordance with ASTM E136.
- * **Durable**--nondeteriorating, noncorrosive.
- * **Economical**--dry, installs quickly, easily.

- * **Aids sound control**--provides extra sound barrier.
- * **Readily available nationwide**--three plant locations.

For poke-through penetrations:

THERMAFIBER Safing Insulation provides a noncombustible, fire-resistant forming material for many types of penetrations in walls and floor/ceilings. Used with THERMAFIBER SMOKE SEAL Compound, THERMAFIBER Safing Insulation forms a system that seals against smoke and fire. Used with FIRECODE Compound, twelve different UL-classified penetration fire stop systems are available for a wide variety of penetrating items (pipes, ducts, cables) and four different UL-classified head-of-wall treatment systems for fluted steel deck/concrete floor or roof installations.

Two UL systems for fire/smoke-stop of floor perimeter and poke-through penetrations are UL System No. CAJ-1020 (F-2-hr. and 3-hr.; T-0-hr. and 3/4-hr.) and UL System No. WL-1064 (F-2-hr.; T-0-hr.).

The twelve different UL-classified penetration fire stop systems include 3-hr. fire-rated floor/wall systems CAJ-0032 (blank), CAJ-1081 (pipe) and CAJ-3045 (cable); 2-hr. fire-rated wall systems WL-1027 (pipe), WL-1063 (pipe), WL-1065 (pipe), WL-1087 (pipe), WL-2023 (PVC pipe), WL-3023 (cable), WL-5043 (pipe), WL-5044 (pipe) and WL-7002 (duct). 1-hr. fire-rated wall systems WL-1039 (pipe), WL-2036 (PVC pipe), WL-3034 (cable) and WL-7001 (duct). The four UL-classified head-of-wall treatment systems for fluted steel deck/concrete floor or roof installations that meet UL 2079 Fire Tests of Joint Systems include HWS0001 (1-hr. and 2-hr., static), HWD0001 (1-hr., sliptrack), HWD0002 (2-hr., sliptrack) and HWD0009 (2-hr., sliptrack).

AI-ASSEMBLY, INSTALLATION

Safing Insulation--Install THERMAFIBER Safing Insulation around perimeter on safing clips 24" o.c. (600 mm) max. leaving no voids. Cut safing 1/2" (12 mm) min. wider than opening to ensure compression fit. Compress or install on wire hangers in all floor slab openings to seal completely around cables, piping, ducts and other penetrations. (When THERMAFIBER Safing is installed between the floor slab and THERMAFIBER Curtain Wall Insulation which spans from mullion to mullion, a supplementary backing/reinforcement must be installed to prevent compression force of safing from bowing curtain wall insulation.)

MF-MATERIALS, FINISHES

- * 4" (100 mm) thick mineral fiber batts 24" x 48" (600 x 1200 mm)
- * Regular unfaced or foil faced.

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, CERTIFICATION

THERMAFIBER Safing Insulation is Classified by Underwriters Laboratories Inc. as a forming material for use in through-penetration firestop systems. Make sure the material bears the UL Classification Marking. UL Listed 62L3 for Forming Materials. Meets ASTM C665, Federal Specification HH-I-521F as Type I; ASTM C612, Federal Specification HH-I-558B as Class 1 and 2; ASTM E814, UL Standard 1479 in conjunction with SMOKE SEAL™ Compound; ASTM C553; New York City Board of Standards and Appeals 619-48-SM & 39-74-SM.

OM-OPERATION, MAINTENANCE

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