

MR-MANUFACTURER

THERMAFIBER® Sound Attenuation Fire Blankets (SAFB) are manufactured by United States Gypsum Company, a leader in construction materials and building systems for 90 years.

PP-PRODUCT PRESENTATION

THERMAFIBER Sound Attenuation Fire Blankets (SAFB) 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.

Depending on the particular assembly and application, partition STC ratings have been improved up to nine points by installing THERMAFIBER SAFB in the stud cavity. The insulation also has been shown to improve MTC ratings for low-frequency sound attenuation, isolating sounds from machinery, mechanical equipment and music.

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.

UA-USES, APPLICATIONS

Standard THERMAFIBER SAFB Assemblies offer outstanding performance in a variety of assemblies.

THERMAFIBER 3" SAFB with 2 layers resilient attached drywall one side, 3 layers direct attached drywall other side.
Sound test TL-87-153: 61 STC, 56 MTC.
UL Design U455: 3-hour rating.

THERMAFIBER 3" SAFB with 1 layer resilient attached drywall one side, 1 layer direct attached drywall other side.
Sound test BBN-760903: 50 STC.
UL Design U311: 1-hour rating.

THERMAFIBER 1-1/2" SAFB with 2 layers direct attached drywall both sides.
Sound test SA-800421: 55 STC.
UL Design U412: 1-hour rating.

THERMAFIBER 3" SAFB with 2 layers resilient attached drywall on ceiling side, gypsum Type F pumped flooring, carpet and pad on floor side.
Sound test TL-90-40: 59 STC, 54 MTC.
UL Design I541: 2-hour rating.

Creased THERMAFIBER SAFB Assemblies offer the most economical drywall sound systems in the 50 to 55 STC range. These fire-rated systems are ideal for party and corridor walls in hotels, motels, offices, and multi-family dwellings. For example, a single-layer drywall partition with Creased THERMAFIBER SAFB has the same STC rating as an unbalanced drywall partition with standard SAFB.

THERMAFIBER 3" Creased SAFB with 1 layer direct attached drywall on each side.

Sound test TL-85-128: 51 STC.

UL Design U465: 1-hour rating.

THERMAFIBER 3" Creased SAFB with 1 layer resilient attached drywall one side, 1 layer direct attached drywall other side.

Sound test SA-850415: 55 STC.

UL Design U451: 1-hour rating.

THERMAFIBER 3" Creased SAFB with 1 layer direct attached gypsum base and veneer finish both sides.

Sound test SA-860620: 50 STC.

UL Design U465: 1-hour rating.

THERMAFIBER 3" Creased SAFB with 1 layer resilient attached gypsum base and veneer finish one side, 1 layer direct attached gypsum base and veneer finish other side.

Sound test SA-860635: 55 STC.

UL Design U451: 1-hour rating.

AI-ASSEMBLY, INSTALLATION

Install THERMAFIBER Sound Attenuation Fire Blankets 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.

The creased THERMAFIBER SAFB system is a patented insulation blanket assembly that is 1" wider than regular blankets. After the blanket is installed in the partition cavity, a 1" vertical slit is field-cut partially through the center of the blanket, allowing it to be creased. Compressing the extra width into the stud cavity buckles the center, exerting pressure against both studs and drywall. This pressure dampens sound vibrations and boosts the partition's STC rating.

MF-MATERIALS, FINISHES

THERMAFIBER SAFB is a paperless, semi-rigid spun mineral fiber mat. Each blanket has a dense, highly complex labyrinthine structure composed of fibers which produce millions of sound-retarding air pockets.

CS-COATINGS, SURFACING

Not applicable.

TS-TECHNICAL SUPPORT

For further information on specifications, design criteria and product performance, order catalogs *SA-707 Thermafiber Life-Safety Fire Containment Systems* and *IW-885 Thermafiber SAFB Sound Attenuation Fire Blankets* by calling toll-free 1-800-USG-4YOU (874-4968).

CC-CODES, CERTIFICATION

Meets ASTM C665.

OM-OPERATION, MAINTENANCE

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