For unsurpassed sound and fire performance for walls and ceilings

THERMAFIBER®
Sound Attenuation Fire Blankets (SAFB)
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80%
**System Performance** Thermafiber Sound Attenuation Fire Blankets are the highest quality insulations in the building industry. Systems incorporating Thermafiber SAFBs exhibit the following features:

- More **fire**, **sound** and **thermal** tests than any other insulation product.
- High density of Thermafiber SAFBs makes them resist sagging and stand up better in stud cavities.
- Enhances fire protection—adds to fire performance of many assemblies (see pages 5-9).
- Efficient sound performance—see pages 5-9 for 30 typical assemblies with sound and fire ratings.
- Special details—Can be used in acoustical ceilings as overlayment to reduce flanking sound; “creased” systems provide additional sound performance through acoustic engineering. Note that Thermafiber Sound Attenuation Fire Blankets may be used in a wide variety of acoustical applications, including those in occupied spaces and ceiling air plenums.

**Superior Sound Attenuation** Ratings have improved by as much as 11 points in some cases when Thermafiber SAFBs are installed in stud cavities. These blankets are also effective in reducing low-frequency sound levels from machinery, mechanical equipment and music. Features include:

- Higher efficiency attenuation than with glass fiber insulation. A test conducted by USG showed the following performance: A 3-5/8" steel-framed wall with 5/8" gypsum panels on both sides tested as STC 40 (no insulation); with 3-1/2" glass fiber insulation in the stud cavity, performance improved to STC 47; with 3" Thermafiber SAFBs instead, performance was STC 49. The same system with 3" Creased Thermafiber SAFBs yielded an STC 51.

- High density insulation provides high-performance attenuation at medium and high frequencies—critical frequencies when speech is the principal sound source (such as in offices).

**Superior Fire Resistance** All Thermafiber products perform well in fire protection:

- Thermafiber SAFBs are defined as “noncombustible” by NFPA Standard 220 when tested according to ASTM E136.
- Tests proved that Thermafiber products can resist temperatures in excess of 2,000 °F, comparing favorably with glass fiber products that begin to disintegrate and melt at about 1,050 °F.
- Side-by-side fire-exposure test conducted according to ASTM E119 test procedure demonstrated that Thermafiber insulation remained intact significantly longer than the glass fiber insulation. In a one hour test, Thermafiber Insulation maintained its integrity more than twice as long as the glass fiber insulation (see next page).
Effective performance for both high sound and fire ratings is the unique characteristic of THERMAFIBER Sound Attenuation Fire Blankets. Glass fiber insulation simply doesn’t compare. Glass fiber’s lower density means lower sound performance, according to sound tests conducted by USG.

Evaluations of various densities and thicknesses showed that the best acoustical performance in mid- and high-frequency sound (typical in offices and between hotel rooms) was with insulations of a nominal density of 2.5 lb./cu. ft. Densities above 2.5 lb./cu. ft. performed better at higher frequencies. Insulations below 2.5 lb./cu. ft. performed poorly in attenuating mid- and high-frequency sound. THERMAFIBER Sound Attenuation Fire Blankets have a nominal density of 2.5 lb./cu. ft., while glass fiber insulations typically fall in the range of 0.7 to 0.8 lb./cu. ft. Results vary for the specific assembly, but tests demonstrated that THERMAFIBER SAFBs provided STC ratings of up to 4 points higher than glass fiber insulations*, even when the glass fiber was 1/2-in. to 1-in. thicker.

Because THERMAFIBER Sound Attenuation Fire Blankets are manufactured from slag, a by-product of iron ore reduction, the mineral fiber in THERMAFIBER Blankets is highly resistant to fire. Thus many of the systems this product is used in have high fire ratings as well as sound ratings.

In a fire test conducted to compare the fire performance of THERMAFIBER products with competitive look-alike products with no extensive fire testing, glass fiber failed to stand up to fire. For one test, a single wall assembly was constructed of 25-ga., 3-1/2-in. galvanized steel studs to form four 16-in. stud cavities. Each of the stud cavities was filled with a different brand of aluminum foil-faced insulation—three were typical glass fiber brands and one (pictured below, second from left) was THERMAFIBER Insulation.

The assembly was oriented with aluminum foil-faced side exposed to a fire chamber. The fire was controlled in accordance with ASTM E119 time-temperature relationship. Three minutes into the test, all three glass fiber insulations began to discolor, and 17 minutes into the test, fire had penetrated them. At the end of 55 minutes, the glass fiber insulations had all melted or fallen completely away from the stud cavities, while the THERMAFIBER Insulation remained intact (see photo).

* Note: Comparative tests were conducted with a series of partitions using 2.5-3.0 lb./cu. ft. density THERMAFIBER SAFBs versus 0.7-0.8 lb./cu. ft. glass fiber insulation of equal or greater thickness. The results showed that THERMAFIBER SAFBs improved performance by an average of 0.9 dB in the 125/250 Hz octave band center frequencies, 1.6 dB in the 500/1000 Hz octave band center frequencies and 3.3 dB in the 2000/4000 Hz octave band center frequencies.
Sound & Fire Tests

The following are typical assemblies containing Thermafiber Sound Attenuation Fire Blankets (SAFBs). Each has been tested for acoustical performance and each has a fire rating or estimated fire rating. The Sound Transmission Class (STC), Impact Insulation Class (IIC), Ceiling Attenuation Class (CAC) and Field Sound Transmission Class (FSTC) are listed first and assemblies of each type are listed in order with highest sound performance first. UL design or other fire test or sound test information are identified at the end of the assembly description. A wide variety of systems are shown to provide choices in performance and cost. For additional fire- and sound-rated wall and ceiling assemblies utilizing Thermafiber Sound Attenuation Fire Blankets, contact Thermafiber, Inc.

For further information about any of the assemblies listed here, consult your Thermafiber sales representative, or visit us online at www.thermafiber.com.

Sound and Fire-Rated SAFB Assemblies

Steel Stud Partitions (Non-Load-Bearing)

61 STC* 2-hr., double-layer, resilient channel—minimum 1” Thermafiber SAFB in stud cavity—5/8” gypsum wallboard Type C core—2-1/2” 25 ga steel studs 24” o.c.—RC-1® channel or equivalent one side, spaced 24” o.c. screw-att to studs—2 layers gypsum panels screw-att to channels, 2 layers screw-att to steel studs—joints stag and fin—perimeter caulked—UL Des U454—RAL-TL-83-214

58 STC* 1-1/2-hr., unbalanced partition, resilient channel 3” Thermafiber SAFB in stud cavity—1/2” gypsum wallboard Type C core—3-5/8” 20 ga studs 24” o.c.—RC-1 channel or equivalent one side spaced 24” o.c. screw-att to studs, 1 layer screw-att to channels—joints stag and fin—perimeter caulked—UL U452—RAL-TL-83-215

56 STC 4-hr., double-layer—2” Thermafiber SAFB in stud cavity—2 layers 3/4” Sheetrock® Brand gypsum panels, Firecode® core, ea side—2-1/2” 25 ga steel studs 24” o.c.—panels screw att with joints stag and fin—UL Des U419, U490-ULC W441 or SA-910907

55 - 59 STC 1-hr. partition—Base layer 1/4” gypsum wallboard applied parallel to each side of 2-1/2” steel studs 24” o.c. with 1” Type S drywall screws 12” o.c.—Face layer 5/8” Type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1-5/16” Type S drywall screws 12” o.c.—Joints staggered 24” each layer and side. Sound tested with 1-1/2” mineral fiber insulation, 3.0 pcf, friction fit in stud space—GA WP-1015

55 STC* 2-hr., double-layer—1-1/2” Thermafiber SAFB in stud cavity—2 layers 1/2” gypsum wallboard Type C core, ea side—3-5/8” 25 ga steel studs 24” o.c.—joints staggered—base layer screw att—face layer strip lamin or screw att—joints fin—perimeter caulked—UL Des U412 or U419-ULC W406—SA-800421

*STC values are based on Sheetrock® Brand gypsum panels, Firecode® C
Steel Stud Partitions (Non-Load-Bearing) continued

54 STC*
1-hr. partition, single-layer, resilient channel—
3" Thermafiber SAFB in stud cavity—5/8" gypsum wallboard Type C core—3-5/8" 20 ga steel studs 24" o.c.—RC-1 chan or equivalent one side spaced 24" o.c. screw att to studs—gypsum panels screw att to studs & RC-1 channels—joists stag and fin—perimeter caulked—UL Des U419 or U451 rating also applies with Feriecode C core, and veneer finish surface—RAL-TL-83-216

50 - 54 FSTC
2-hr. partition—Base layer 1/2" Type X gypsum wallboard or gypsum veneer base applied parallel to each side of 1-5/8" steel studs 24" o.c. with 1" Type S drywall screws 12" o.c.—Face layer 1/2" Type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1-5/8" Type S drywall screws 12" o.c.—Joists staggered 24" each layer and side. Sound tested with 1-1/2" mineral fiber insulation friction fit in stud space—GA WP-1530

Note: Can be used as a non-load bearing area separation wall—GA ASW-1100

50 STC
2-hr. partition, single-layer—3" Thermafiber SAFB in stud cavity—3/4" Sheetrock Brand gypsum panels, Ultracord core, ea side—min. 3-1/2" 25 ga steel studs 24" o.c.—panels screw att—joists stag & fin—perimeter caulked—UL Des U419, U491 or ULC W440—USG-910617

51 STC**
1-hr. partition, single-layer—3" Creased Thermafiber SAFB in stud cavity—5/8" gypsum wallboard Type X—3-5/8" 25 ga steel studs 24" o.c.—panels screw att—joists stag & fin—perimeter caulked—UL Des U419 or U465—RAL-TL-90-166—SA-860620

50 - 54 STC
2-hr. partition—Base layer 1/2" Type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2-1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c.—Face layer 1/2" Type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1-5/8" Type S drywall screws 12" o.c.—Joists staggered 24" each layer and side. Sound tested with 1-1/2" mineral fiber insulation friction fit in stud space—GA WP-1545

Note: Can be used as a non-load bearing area separation wall—GA ASW-1105

45 - 49 STC
1-hr. partition—One layer 1/2" Type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2-1/2" steel studs 24" o.c. with 1" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at intermediate studs. 2" mineral fiber insulation, 2.5 pcf, friction fit in stud space—Joists staggered 24" on opposite sides—GA WP-1070

*STC values are based on Sheetrock® Brand gypsum panels, Feriecode® C
**STC values are based on Sheetrock® Brand gypsum panels, Feriecode®
Steel Stud Chase Walls (Non-Load Bearing)

57 STC**
2-hr. partition, double-layer chase wall—3-1/2”
Thermafiber SAFB on one side in stud cavity—
2 layers 5/8” gypsum wallboard Type X, ea side—
1-5/8” 25 ga steel studs 24” o.c. in 2 rows spaced
6-1/4” apart—5/8” gypsum panel gussets or steel run braces spanning chase screw-att to studs—
panels appl screw att—joints stag & fin—UL Des U420—TL-76-156

52 STC**
1-hr. partition, single-layer chase wall—3-1/2”
Thermafiber SAFB on one side in stud cavity—5/8”
gypsum wallboard Type X, ea side—1-5/8” 25 ga steel studs 24” o.c. in 2 rows spaced 6-1/4” apart—
5/8” gypsum panel gussets or steel run braces spanning chase screw-att to studs—panels screw att—
joints stag & fin—UL Des U420—TL-76-155

Shaft Wall Systems (Non-Load Bearing)

52 STC***
2-hr. shaft wall partition—3” Thermafiber SAFB
in stud cavity—1” gypsum wallboard liner panels, set
between 4” steel C-H studs 24” o.c. one side—3/4”
Sheetrock Brand gypsum panels, UltraTec Core,
other side—panels screw att—joints stag & fin—
perimeter caulked—UL Des U415 or U492, ULC
W508—SA-910913

47 STC** and ***
2-hr. shaft wall partition—1” Thermafiber SAFB in
stud cavity—2 layers 1/2” gypsum wallboard Type C
core, one side—1” gypsum wallboard liner panels
set between 25 ga. steel C-H studs 24” o.c.—joints
fin—UL Des U415 or U438—BBN-750706

Area Separation Walls (Non-Load Bearing)

60 STC***
2-hr. area separation wall partition—3” Thermafiber
SAFB on both sides in stud cavities—1/2” gypsum
wallboard—two 1” gypsum wallboard liner panels set
between one-piece steel H studs 24” o.c.—2 x 4
wood studs 16” o.c. each side on 2 x 4 plates min.
3/4” from liner panels—gypsum panels att with 1-
1/4” Type W screws 12” o.c.—joints stag & fin—
perimeter caulked—UL Des U336—TL-99-350

For more area separation wall designs see page 6:
GA WP-1530 (ref: GA ASW-1100)
GA WP-1545 (ref: GA ASW-1105)

Demountable Partitions (Non-Load Bearing)

47 STC
1-hr demountable partition (UltraTec® Partition)—
1” Thermafiber SAFB in stud cavity—concealed “H”
studs 24” or 30” o.c.—3/4” x 24” or 30” bevel edge
UltraTec® gypsum panels—joints unfli—perm
gaskets—based on 24” panels—U of C 9-18-67—
based on 30” panels—U of C 7-23-69—BBN-701216

*STC values are based on Sheetrock® Brand gypsum panels, Firecode® C
**STC values are based on Sheetrock® Brand gypsum panels, Firecode®
***STC values are based on Sheetrock® Brand gypsum liner panels
Cement Board Partitions (Non-Load Bearing)

56 STC* and ****
2-hr. partition—double-layer—3" THERMAFIBER SAFB in stud cavity—2 layers 5/8" gypsum wallboard Type C core one side—2 layers 1/2" gypsum wallboard Type C core other side—3-5/8" 25 ga steel studs 16" o.c.—cement board att with 1-5/8" Type S-12 corrosion resistant wafer-head steel screws—joints taped—UL Des U433—SA-851016

50 STC* and ****
1-hr. partition—single-layer—3" THERMAFIBER SAFB in stud cavity—1/2" Cemetitious Backer Board (cement board) and 1/4" ceramic tile one side—5/8" gypsum wallboard Type C, one side—3-5/8" 20 ga steel studs 16" o.c.—cement board att with 1-1/4" Type S-12 corrosion resistant wafer-head steel screws—joints taped—UL Des U442, ULC W419 or W423—SA-840313

Wood Stud Partitions (Load Bearing)

59 STC*
2-hr. partition—double-layer, resilient channel—2" THERMAFIBER SAFB in stud cavity—2 layers 5/8" gypsum wallboard Type C core, each side—2 x 4 16" o.c.—RC-1 channel or equivalent one side, spaced 24" o.c.—resilient side screw att—opp side nail att—both base layers appl vert and face layers appl horiz—resilient layers perimeter caulked—joints fin—UL Des U334—TL-67-239

46 STC**
1-hr. partition—single-layer—3" THERMAFIBER SAFB in stud cavity—5/8" gypsum wallboard Type X, or gypsum wallboard, water-resistant, Type X—2 x 3 4" 24" o.c.—panels nailed 7" o.c.—1-7/8" cem ctd nails—joints exp or fin—perm caulked—UL Des U305 and UL Des U314—BBN-700725

Double Wood Stud Chase Wall

55 - 59 STC
1-hr. partition—Base layer 1/4" gypsum wallboard applied parallel to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates spaced 1-1/2" apart with 4d coated nails, 1-1/2" long, 0.099" shank, 1/4" heads, 12" o.c. Joints staggered 16" on opposite sides.—Face layer 1/2" Type S plain or predecorated gypsum wallboard or gypsum veneer base applied parallel to each side with 3/8" beads of adhesive 16" o.c. and 5d coated nails, 1-3/4" long, 0.099" shank, 1/4" heads, 16" o.c. at top and bottom plates. 4d finish nails, 1-1/2" long, 0.072" shank, 1/2" heads, driven at a 45° angle 16" o.c. horizontally and 24" o.c. vertically. Joints offset 24" from base layer joints.—Sound tested with 1-1/2" mineral fiber insulation in stud space. Horizontal bracing required at mid height.—(Load-Bearing)—WP 5510

54 STC**
1-hr. chase wall partition—single-layer—3" THERMAFIBER SAFB on one side in stud cavity—5/8" gypsum wallboard Type X—2 x 3 non-load-bearing studs 16" o.c.—2 x 3 plates 1" apart—panels screwed or nailed 7" o.c.—joints fin—perm caulked—est. fire rating based on UL Des U305 and UL Des U340—TL-77-149 (Non-load bearing)

*STC values are based on SHEETROCK® Brand gypsum panels, FIRECODE® C
**STC values are based on SHEETROCK® Brand gypsum panels, FIRECODE®
****STC values are based on DUROCK® Brand cement board panels
Cement Board/Wood Stud Partitions (Load Bearing)

40 STC* and ****
1-hr. partition—single-layer—3-1/2" THERMAFIBER SAFB in stud cavity—1/2" cementitious backer board (cement board) and 1/4" ceramic tile on one side—2 x 4 studs 16" o.c.—board att with 1-5/8" Typ. S-12 corrosion resistant wafer-head steel screws or 1-1/2" hot-dipped galv nails 8" o.c.—5/8" gypsum wallboard Type C core other side—joints taped—UL Des U329—USG-840314

Wood Joist Ceiling Systems (Unrestrained Assemblies)

59 STC/69 IIC*
2-hr. ceiling—double-layer—3" THERMAFIBER SAFB—floor of carpet/pad, 1-1/2" flooring, 1/2" plywood, 2 x 10 wd joists 16" o.c.—ceiling of 2 layers 5/8" gypsum wallboard Type C core, over RC-1 channels or equivalent 16" o.c.—UL Des LS41—RAL-TL-90-40/RAL-IN-90-5

51 STC/46 IIC*
1-hr. ceiling—single-layer, resilient channel—3" THERMAFIBER SAFB between joists—1-1/2" gypsum wallboard Type C core—1-1/4" nom wd sub & fin fr—2 x 10 wd joist 16" o.c.—RC-1 channel or equivalent att to joists—panels att with 1" Typ. S screws—joints fin—est fire rating based on—UL Des LS14—CK-6512-9

Mineral Fiber Overlay on Acoustical Ceiling System

48 CAC
Class A ceiling—3" THERMAFIBER SAFB laid over ceiling, extending 4' each side of partition—Anmator® 5/8" x 24" x 48" acoust cgr panels in Susp Exp Grid Syst—continue over part—ASTM E84—Sound test USG-820406

*STC values are based on SHEETROCK® Brand gypsum panels, FIRECODE® C
****STC values are based on Durock® Brand cement board panels
Technical Data

**THERMAFIBER** Sound Attenuation Fire Blankets are available in two densities and nine thicknesses to meet a variety of sound and fire performance needs. Also, *Creased THERMAFIBER SAFB*, a specially engineered product, is available for certain high-performance sound-rated assemblies.

The table below shows the R-values and densities available for various thicknesses of *THERMAFIBER SAFBs*, as well as "k" values, sizes, flame spread and smoke developed ratings and density tolerances.

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### THERMAFIBER SAFB insulation in a typical partition assembly.

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**Creased THERMAFIBER SAFBs**

This specially engineered SAFB insulation is the same composition as regular SAFBs; however, it is 3 in. thick and one inch wider (25 in.* instead of 24 in.). When the insulation is installed into the stud cavity, a vertical slit (approximately one inch deep) is field cut down the center of the blanket.

When the drywall panel is applied over the creased insulation, the blanket is compressed inside the cavity, forcing the edges of the blanket against the studs and the center of the blanket against the gypsum panel. The pressure exerted against the assembly components dampens sound vibrations and boosts the STC rating of the partition.

* A 17 in. wide product is also available for 16 in. o.c. stud spacing.

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### After conventional installation of steel studs and one layer of drywall, installer inserts 25 in. wide Creased 3-in. THERMAFIBER SAFB into 24-in. wide stud cavity, then slits blankets to a depth of about 1 in. Sound performance is completed through application of gypsum panels.

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**Product Data**

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Notes: Thermal resistance values (R = 1/k) for use in calculating heat transmission coefficients (u) are based on listings in ASHRAE Handbook of Fundamentals (1985). For test data, contact Thermafiber, Inc. Representatives will provide certified test data for published fire, sound and structural systems designed and constructed according to their published specifications.

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Note: For the most accurate and up to date product information and data, please visit our website at www.thermafiber.com
ASTM C612, Type 1, per Federal Specification HH-I-558B. When outlet boxes occur on the opposite side of a demising wall, the backs and sides of the outlet boxes should be ASTM C665, Type 1, per Federal Specification HH-I-558F. Class A interior finish rating per NFPA 101, life safety code.

Sound Attenuation Fire Blankets in stud cavities of sound-rated partitions

Sound Attenuation Fire Blankets 3 inches thick, (17) (25) inches wide, 48 inches long, unfaced, UL-labeled.

When penetrations, such as telephone jacks, electrical outlet, pipes, etc., occur on the opposite side of a demising wall, offset them by at least one stud cavity.

Proper application of acoustical sealant is critical to effectively seal the wall and reduce sound transmission. For drywall partitions, place a continuous bead of sealant along all perimeter edges between the gypsum panels and the surrounding floor, wall and ceiling elements. Do this on each side of the wall. Also, place a bead of acoustical sealant around ducts, electrical boxes, sprinkler heads, telephone jacks and any other penetrations.

Wall Penetrations and Perimeters—Penetrations for windows, HVAC and all wall perimeters must be sealed with acoustical sealant. Insulation must be used behind medicine cabinets and other wall-inserted devices to prohibit passage of sound.

When penetrations, such as telephone jacks, electrical outlets, pipes, etc., occur on the opposite side of a demising wall, offset them by at least one stud cavity.

When outlet boxes occur on the opposite side of a demising wall, the backs and sides of the outlet boxes should be acoustically caulked with acoustical sealant; acoustically caulk any gap surrounding the box as well.

Vapor Retarders—Vapor retarders normally are placed on the warm side of the wall to prevent moisture from entering the stud cavity. Actual placement of moisture barrier should be specified by a qualified professional engineer, based on local climatic conditions.

Ceilings—Insulation should be carefully fitted around—not over—light fixtures. Improperly covering light fixtures with insulation causes heat to build up, possibly resulting in fire. Note that THERMAFIBER Sound Attenuation Fire Blankets may be used in a wide variety of acoustical applications, including those in occupied spaces and ceiling air plenums.

## Architectural Specifications

### 1: General

#### 1.1 Scope

Specify to meet project specifications.

#### 1.2 Qualifications

All materials, unless otherwise indicated, shall be supplied by Thermafiber, Inc. and shall be installed according to current printed directions.

#### 1.3 Delivery and Storage of Materials

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

#### 1.4 Design Conditions

THERMAFIBER Sound Attenuation Fire Blankets shall be (1) (2) (3) (4) (5)-hr. fire-rated under simulated field conditions using ASTM E119 Guidelines.

### 2: Products

#### 2.1 Sound Insulation

- **2.1.1 THERMAFIBER Sound Attenuation Fire Blankets**
  - (1-1/2) (2) (2-1/2) (3) (3-1/2) (4) (6) inches thick, (16) (24) inches wide, 48 inches long, unfaced, UL-labeled.

- **2.1.2 Creased THERMAFIBER Sound Attenuation Fire Blankets**
  - 3 inches thick, (17) (25) inches wide, 48 inches long, unfaced, UL-labeled.

### 3: Execution

#### 3.1 Sound Attenuation Fire Blanket Application

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.

#### 3.2 Creased Sound Attenuation Fire Blanket Application

Install Creased THERMAFIBER Sound Attenuation Fire Blankets after gypsum panels are applied to the resilient channel and before panels are applied to the other side of the studs. Insert 17" wide blankets in 16" stud cavities or 25" wide blankets in 24" stud cavities of sound-rated partitions and where required to achieve a fire-rated design. Bow the blankets slightly to fit in the stud cavities. Slit the blankets with a sharp utility knife or hook-bill knife to ease the pressure of the blanket against the gypsum panels when they are installed. Butt ends of blankets closely together and fill all voids.

#### 3.3 See Next Page
### 3.3 Floor-Ceiling Application
Install **Thermafiber Sound Attenuation Fire Blankets** between joists in joist cavity or over metal furring channels below joists where required to achieve fire-rated design.

### 3.4 Ceiling Overlayment Application
Install **Thermafiber Sound Attenuation Fire Blankets** 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.

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### It’s easy to spec Thermafiber SAFB’s
1. Go to www.thermafiber.com or log onto your favorite spec service website:
   - www.4specs.com
   - www.arcat.com
   - www.sweets.com

2. Download the 3-Part Specification
3. The instructions will walk you through it.

### Additional Information
**For Further Information**
On these products, including non-standard sizes, contact Thermafiber, Inc.

**Thermafiber, Inc. Sales Office:**
Phone: 888.TFIBER1 (or 888.834.2371)
www.thermafiber.com

**Product Information and Literature**
Phone: 888.TFIBER1 (or 888.834.2371)
www.thermafiber.com

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**Note**
Products described here may not be available in all geographic markets. Consult your local sales office or representative for information.

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**Safety First!**
Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.