

Light Fixture Insulation

- + Maintains UL fire ratings for ceiling assemblies
- + Lightweight pre-fabricated kits designed to cover light fixtures, speakers, HVAC diffusers, and other ceiling penetrations
- + Quick and easy, labor-saving installation
- + Available in custom sizes for can lights or other non-standard penetrations
- + Substantially improves speech privacy and controls sound transmission through the ceiling
- + Conserves energy, reduces greenhouse gas emissions
- + Available for topling on truckloads of Thermafiber products or LTL shipment

Thermafiber® FixtureShield®



Thermafiber FixtureShield is designed for covering light fixtures and other penetrations in suspended and drywall ceiling assemblies. The office space above shows a typical suspended ceiling.

LEED® v2009 Green Building Credits				
Minimum	Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
70%	1	2.1, 2.2	9	1
Recycled Content¹		3.1, 3.2 4.1, 4.2 5.1, 5.2		



Thermafiber FixtureShield Kits arrive with the pre-fabricated insulation and assembly pins ready for installation. The patented design installs quickly and easily.



Thermafiber® FixtureShield® Kits

Description:

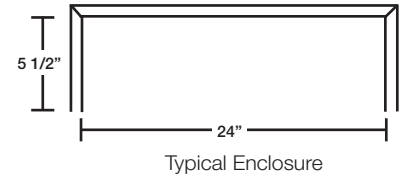
THERMAFIBER® FixtureShield® kits are designed to maintain fire rating in UL listed suspended and gypsum ceiling systems. The FixtureShield kits come with everything needed to complete a quick, labor-saving installation. Each kit includes the pre-fabricated Thermafiber Insulation and all the required insulation pins, including standoff pins to maintain air space requirements. FixtureShield insulation kits also provide energy savings, speech privacy, sound control, and a 70% post-industrial recycled content product that contributes to LEED® green building credits. All Thermafiber mineral wool insulation products resist temperatures above 2000°F are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-proof and vermin-proof. The FixtureShield design is patented, US Patent 7,627,999.

Product Options:

- Standard size kits are available for 24" x 24" and 24" x 48" light fixtures.
- Standard insulation thickness is 1-1/4".
- Custom sizes are available for other fluorescent fixtures, can lights, speakers, and other penetrations. Accurate L,W, H dimensions will be needed when orders are placed.

Installation:

Panels are custom cut and grooved to effortlessly fold into a standard 3-sided box enclosure to accommodate specific light fixture dimensions and maintain a 1" fixture air space (custom cut enclosures are available). Each fluorescent light kit is supplied with peel and stick insulation pins with washers to maintain the necessary ventilation air space and secure the cover to the fixture. Peel and stick pins are not supplied with can light kits. End caps are provided with securing pins. It is the installer's responsibility to review the specific UL ceiling design and provide for the correct vent openings and clearance required.



Standard Sizes:

	Length	Width	Height
FixtureShield	24"	24-1/2"*	5-1/2"
FixtureShield	48"	24-1/2"*	5-1/2"

*This measurement represents the inside fixture cover

Custom sized fixture covers are available for can lights, speakers, HVAC diffusers, and other ceiling penetrations. Accurate L, W, & H dimensions will be needed when orders are placed.

Technical Data:

Product Designation	Nominal Density	Tested to ASTM C 518		Tested to ASTM E 84	
		"K" @ 75° [24°C] BTU.in/hr.sq. ft. °F	"R" value at 1-1/4" Thickness**	Flame Spread	Smoke Developed
FixtureShield	10.0 pcf	0.24	5.2	25	0

**R = Thickness divided by 'k'

Acoustical Performance:

- Thermafiber® FixtureShield insulation received an NRC of 1.00 when tested at a 2" thickness per ASTM C 423
- FixtureShield kits greatly improve Ceiling Attenuation Class (CAC) ratings between adjacent spaces.
 - In a recent test, 2 – FixtureShield® kits covering 24"x48" light fixtures improved the CAC rating by 4 db. This is a significant reduction as a 3 db change sounds as if the noise level doubled. Tested per ASTM E 1414.
- Higher CAC ratings increase privacy and reduce sound transmission in offices, classrooms, healthcare exam rooms, conference rooms, and other adjacent spaces.

Standards Compliance:

THERMAFIBER FixtureShield Kits meet the following:

- NFPA 101** Class A rated interior finish
- ASTM E 136** Rated non-combustible per NFPA Standard 220
- ASTM C 1104** Absorbs less than 1% by volume

Thermafiber FixtureShield® kits are classified by UL for using in the following designs:

- Floor-Ceiling Design: D010, D216, D219, G230, G234, G258, G523, G526, J202, L006
- Roof-Ceiling Design: P207, P228, P230, P237, P267

Thermafiber® offers industry leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, LEED® Credit Information, and product recommendations. Contact our technical services department at 1-888-834-2371, or email technicalservice@owenscorning.com

For Further Information:

For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.

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Submittal Approvals:

Job Name	
Contractor	Date

