Thermafiber® FixtureShield®
Mineral Wool Insulation

Description

Thermafiber® FixtureShield® kits are designed and patented[4] 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® Mineral Wool Insulation and all the required insulation pins, including standoff pins to maintain air space requirements. FixtureShield® mineral wool insulation kits also provide energy savings, speech privacy, sound control, and a 70% post-industrial recycled content insulation product that contributes to LEED® green building credits. Thermafiber® mineral wool insulation products resist temperatures above 2000°F are non-combustible, moisture-resistant, non-corrosive, non-deteriorating, mildew-resistant and vermin-resistant.

Standards, Codes Compliance

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

Thermafiber® FixtureShield® kits are classified by UL for use 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

Product Options

- Standard size kits are available for 24" x 24" and 24" x 48" light fixtures.
- Standard insulation thickness is 1¼".
- 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.

Recycled Content Options[1,2]:

EPA Choice Fiber
(US Government Buildings) ..... Minimum 75%

Standard Fiber 70%

1. Recycled content options other than standard must be specified at time of order.

Technical Data

		Test to ASTM C 518		Tested to ASTM E 84 Foil Faced	
Product Designation	Nominal Density	"K"@75° [24°C] BTU.in/hr.sq. ft. °F	"R" value at 1 ¼" Thickness***	Flame Spread	Smoke Developed
FixtureShield®	10.0 pcf	0.24	5.2	25	0

***R = Thickness divided by 'k'

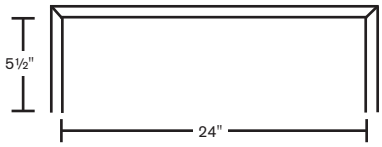
Availability

	Length**	Width**	Height**
FixtureShield®	24"	24½"*	5½"
FixtureShield®	48"	24½"*	5½"

* 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.

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.



Typical Enclosure

Thermafiber Insolutions®

Thermafiber Insolutions® 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 ThermafiberInsolutions@owenscorning.com.

Features

- 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
- Improves speech privacy and controls sound transmission through the ceiling
- Available for toploading on truckloads of Thermafiber® products or LTL shipment
- The insulation has a minimum 70% recycled content[2]
- Contributes to credits in several green building programs such as LEED® and Green Globes®

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.owenscorning.com.

Notes

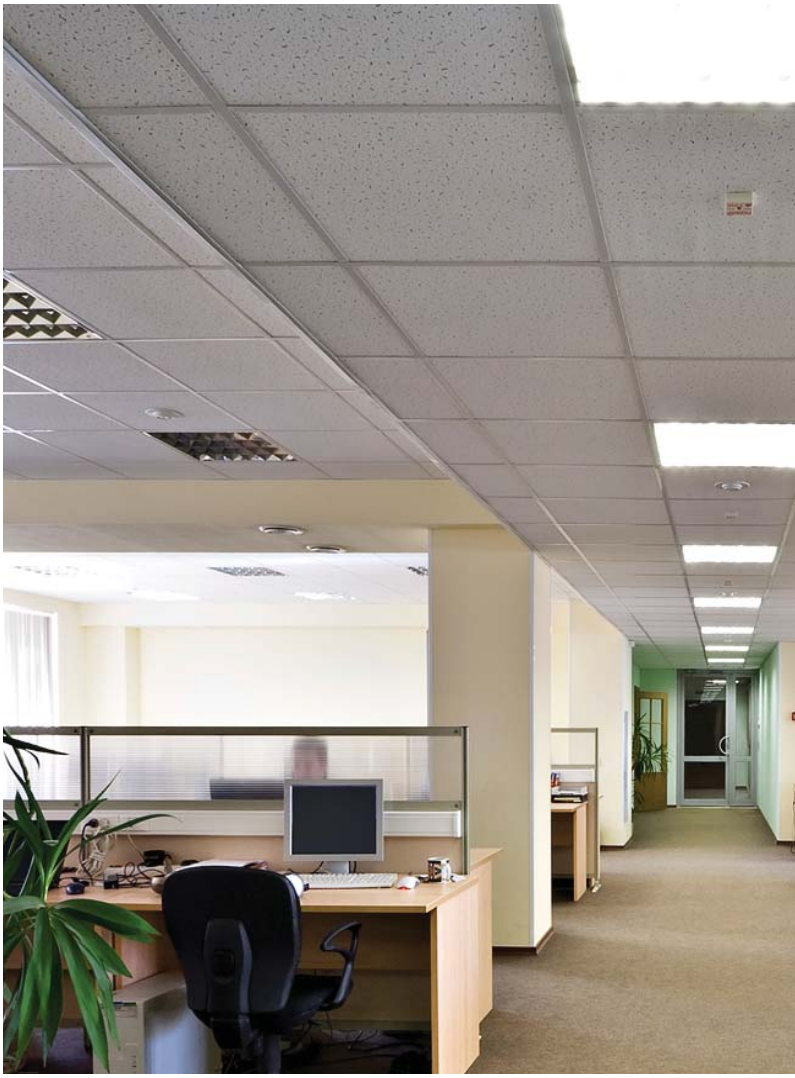
For additional information refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via http://sds.owenscorning.com.

Submittal Approvals

Job Name _____

Contractor _____

Date _____



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.

Made in the USA

Certifications and Sustainable Features[3]

- [2]Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information visit ul.com/epd.
- Material Health Certificate from Cradle to Cradle Products Innovation Institute. For more information visit c2ccertified.org.

Disclaimer of Liability

Thermafiber, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Thermafiber, Inc. liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

3. Certifications and Sustainable Features section refers to insulation only.

4. U.S. Patent No. 7,627,999

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