THERMAFIBER® FIXTURESHIELD®
MINERAL WOOL INSULATION

Thermafiber® FixtureShield® kits are designed and patented[1] 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% pre-consumer recycled content insulation product that contributes to LEED® green building credits. Thermafiber® mineral wool insulation products resist temperatures above 2,000 °F and are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-resistant, and vermin-resistant.

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, speakers, 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 of 70% recycled content[2]
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

Standards, Code Compliance

- NFPA 101, Class A-rated interior finish

Physical Properties

PROPERTY	TEST METHOD	VALUE
Non-Combustibility	ASTM E136	Non-Combustible
Water Vapor Sorption	ASTM C1104	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

Technical Data

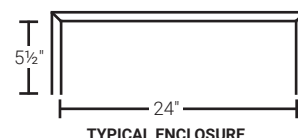| PRODUCT DESIGNATION	NOMINAL DENSITY	TESTED TO ASTM C518		TESTED TO ASTM E84 FOIL-FACED	
		"K" @ 75° [24°C] BTU.IN⁄ HR.SQ.FT. °F	"R" VALUE AT 1¼" THICKNESS[3]	FLAME SPREAD	SMOKE DEVELOPED
FixtureShield®	10.0 pcf	0.24	5.2	25	0

3 R = Thickness divided by "k."

Availability

	LENGTH[4]	WIDTH[5]	HEIGHT[5]
FixtureShield®	24"	24½"	5½"
FixtureShield®	48"	24½"	5½"

4 This measurement represents the inside fixture cover.
5 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 three-sided box enclosure to accommodate specific light fixture dimensions and maintain a 1-inch 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.

5½"   24"

TYPICAL ENCLOSURE

Product Options

- Standard-size kits are available for 24-inch x 24-inch and 24-inch x 48-inch light fixtures.
- Standard insulation thickness is 1¼ inches.
- 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[2,6]:
- EPA Choice Fiber
  (U.S. Government Buildings) ....Minimum 75%
- Standard Fiber 70%

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

Thermafiber Insolutions®

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

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.

Certifications and Sustainable Features[7]

- [2]Verified by ICC-ES to contain a minimum of 70% pre-consumer 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.

7 Certifications and Sustainable Features section refers to insulation only.

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

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Notes

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