



EcoTouch® Flame Spread 25 Fiberglas™ Insulation



Description

Owens Corning® EcoTouch® Flame Spread 25 Fiberglas™ Insulation is a preformed, flexible blanket insulation. It is produced in R-values from 11 to 38, at thickness from 3½ to 12 inches. It is available with either a FSK (foil-scrim-kraft) or PSK (poly-scrim-kraft) facing; both of which act as vapor retarders and provide a neat, finished appearance.

Features

- Excellent thermal control
- Effective acoustical performance
- Provides long term performance and will not settle nor slump within wall cavities
- Less dust than other fiberglass insulation products
- Excellent recovery characteristics¹
- Compression packaging speeds job site handling and installation

1. According to 2010 clinical trial conducted in Toronto, Canada by Ducker Worldwide on behalf of Owens Corning Insulation Systems, LLC.

Applications

- Wall, floor and roof/ceiling assemblies where the insulation will be left exposed, or where a low flame spread vapor retarder facing is required
- Concealed applications of assemblies for non-combustible construction
- Wood and metal framed assembly cavities, or attached to surfaces with impaling pins

Physical Properties

Property (unit)	Test	Value
Thermal Resistance	ASTM C518	See "Availability" table for R-values
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84 ¹	
FSK		<25/<50
PSK		<25/<50
Critical Radiant Flux (W/cm ²)	ASTM E970	>0.12
Water Vapor Permeance (perms)		
FSK	ASTM E96 ²	.5
PSK	ASTM E96 ²	.5
Water Vapor Sorption (by weight)	ASTM C1104/ C1104M	<5%
Odor Emission	ASTM C1304	pass
Corrosion Resistance	ASTM C665, part 13.8	pass
Fungi Resistance (fiberglass only)	ASTM C1338	pass

1. ASTM E84 is used solely to measure and describe properties of products in response to heat and flame under controlled laboratory conditions, and should not be used to describe or approve the fire hazard of materials under actual fire conditions. However, the results of these tests may be used as elements of a fire risk assessment that takes into account all of the factors of the fire hazard of a particular end use. Values are reported to the nearest five rating.
2. Dessicant method

Classifications

	IBC Bldg. Construction	ASTM C665
FSK	All Types	Type III, Class A, Cat. 1
PSK	All Types	Type II, Class A, Cat. 1

Standards, Codes Compliance

- Manufactured in compliance with ASTM C 665
- Federal Specification HH-I-521F has been canceled and replaced by ASTM C 665
- EcoTouch® Flame Spread 25 insulation is accepted for use in all ICC building construction types (1 through V)
- Certified to meet California Code of Regulations, Title 24, Chapter 12-13, Article 3, "Standards for Insulating Material"

Design Considerations

- The building thermal barrier (insulation) should be in continual alignment with the building air barrier
- In framed cavities product thickness should match the depth of the framing members
- Follow the local, applicable building code(s) to determine the need for and placement of a vapor retarder
- Do not install insulation on top, or within 3 inches of a recessed light fixture unless the fixture is labeled as "insulation contact" (IC) rated

Availability

Application	Width	Length	Thickness	R-value ³
Wood Frame Walls				
FSK-E ⁴	23"	93"	6.25"	19 ⁵
PSK-E ⁴	23"	93"	6.25"	19 ⁵
PSK-E ⁴	23"	96"	6.25"	19 ⁵
FSK-E ⁴	23"	96"	6.25"	19 ⁵
FSK	15"	93"	5.5"	21
Metal Frame Walls				
FSK	16"	96"	3.5"	13
FSK	24"	96"	3.5"	13
FSK	16"	96"	6.25"	19
FSK	24"	96"	6.25"	19
FSK	16"	96"	6"	21
Floor/Ceiling				
FSK	16"	48"	9.5"	30
PSK-E ⁴	24"	48"	9.5"	30
FSK-E ⁴	24"	48"	9.5"	30
FSK	24"	48"	9.5"	30
FSK	16"	48"	12"	38
FSK	24"	48"	12"	38

3. Tested per ASTM C518

4. FSK-E / PSK-E = Extended flange

5. Delivers R18 when installed in a 5.5" deep cavity

Extended Flanges

Flame Spread 25 FIBERGLAS insulation with extended flanges is designed to be installed in wall and ceiling cavities where the cavity depth is less than the insulations nominal thickness. It is available in R-19 (2x4 framing) and R-30 (2x6 framing). The extended flange allows attachment to framing without substantially compressing the insulation. Compressing insulation reduces thermal performance.

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum of 55% recycled glass content, 18% pre-consumer and 37% post-consumer
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg
- Environmental Product Declaration (EPD) has been certified by UL Environment
- Bronze Material Health Certificate from Cradle to Cradle Products Innovation Institute



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SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.SCSglobalservices.com.

LEED® is a registered trademark of the U.S. Green Building Council.

Installation

See Owens Corning publication "Installation Guide for Light Density Building Insulation" (Pub. No. 10017858) for more information. Both FSK and PSK EcoTouch® Flame Spread 25 insulation facing options are more abuse-resistant than most other building insulation facings. However, when it is installed in areas where the material may be subject to abuse, suitable protection should be provided.

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

Fiberglass products may cause temporary skin and mucous membranes itching due to the mechanical abrasion effects of fibers, a condition which is completely reversible. Owens Corning does not recommend the use of unfaced EcoTouch® PINK® Fiberglas™ Insulation in exposed applications where it will be subject to routine human contact due to this potential temporary irritation.

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



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