



PROPINK® EcoTouch® FIBERGLAS™ Insulation

Product Data Sheet



PROPINK® EcoTouch® Insulation Product Data

	Width		Length		Thickness	R-Value ¹	
Metal Frame Construction	16" (406mm)	24" (609mm)	48" (1,219mm)	96" (2,438mm)	3/2" (89mm)	11	
	16" (406mm)	24" (609mm)	48" (1,219mm)	96" (2,438mm)	3/2" (89mm)	13	
	16" (406mm)	24" (609mm)	96" (2,438mm)	96" (2,438mm)	3/2" (89mm)	15	
	16" (406mm)	24" (609mm)	96" (2,438mm)	96" (2,438mm)	5/2" (139mm)	21	
Wood Frame Construction	15" (381mm)	23" (584mm)	48" (1,219mm)	93" (2,362mm)	3/2" (89mm)	11	
	15" (381mm)	23" (584mm)	48" (1,219mm)	93" (2,362mm)	3/2" (89mm)	13	
Walls	15" (381mm)	23" (584mm)	93" (2,362mm)	93" (2,362mm)	3/2" (89mm)	15	
	15" (381mm)	19/4" 23" (584mm)	48" (1,219mm)	93" (2,362mm)	6/4" (159mm)	19	
	15" (381mm)	23" (584mm)	93" (2,362mm)	93" (2,362mm)	5/2" (139mm)	20	
	15" (381mm)	23" (584mm)	93" (2,362mm)	93" (2,362mm)	5/2" (139mm)	21	
	15" (381mm)	23" (584mm)	105" (2,667mm)	93" (2,362mm)	5/2" (139mm)	21	
	23" (381mm)	23" (584mm)	93" (2,362mm)	93" (2,362mm)	5/2" (139mm)	21	
	Floor/Ceiling	15" (381mm)	19/4" 23" (584mm)	48" (1,219mm)	93" (2,362mm)	6/4" (159mm)	19
		15" (381mm)	23" (584mm)	48" (1,219mm)	93" (2,362mm)	6/4" (171mm)	22
15" (381mm)		23" (584mm)	48" (1,219mm)	93" (2,362mm)	8" (203mm)	25	
15/2" (394mm)		23/4" (603mm)	48" (1,219mm)	93" (2,362mm)	8" (209mm)	30	
16" (406mm)		19/4" 24" (609mm)	48" (1,219mm)	93" (2,362mm)	9/2" (241mm)	30	
15/2" (394mm)		23/4" (603mm)	48" (1,219mm)	93" (2,362mm)	10/4" (260mm)	38	
16" (406mm)		24" (609mm)	48" (1,219mm)	93" (2,362mm)	12" (305mm)	38	



Description

Owens Corning™ PROPINK® EcoTouch® FIBERGLAS™ Insulation Technology is flexible insulation and is made in R-values from 11 to 38. PROPINK® EcoTouch® FIBERGLAS™ Insulation is available unfaced or with a variety of vapor retarder facings, including Kraft, Foil, Poly, FSK and PSK. The product is manufactured in thicknesses from 3/2" to 12."

Uses

PROPINK® EcoTouch® FIBERGLAS™ Insulation can be used in a wide range ceiling, wall and floor applications. The product can be installed in wood or metal framing cavities, or can be installed between furring strips.

Features and Benefits

Excellent Thermal Control

With the range of R-values and thicknesses available, PROPINK® EcoTouch® Insulation can meet most thermal specifications with ease. The R-30C and R-38C provide excellent thermal performance in the limited space of cathedral ceilings.

Effective Acoustical Control

PROPINK® EcoTouch® FIBERGLAS™ Insulation enhances interior noise control by improving the Sound Transmission Class (STC) of walls and floor/ceiling assemblies.

Long Term Performance

PROPINK® EcoTouch® FIBERGLAS™ Insulation is dimensionally stable and will not slump within the wall cavity. PROPINK® EcoTouch® FIBERGLAS™ Insulation will not support fungi and mildew growth¹ and is noncorrosive to steel, copper, and aluminum.

Designed with the Environment in Mind
PROPINK® EcoTouch® Insulation

with PureFiber® Technology contains more than 99% natural³ ingredients, and includes a minimum of 58% total recycled content.⁴ PROPINK® EcoTouch® FIBERGLAS™ Insulation is GREENGUARD GOLD Certified and is verified to be formaldehyde free.⁵

SpaceSaver Packaging

PROPINK® EcoTouch® Insulation is compression packaged in exclusive SpaceSaver packaging from Owens Corning. SpaceSaver packaging reduces freight and speeds job site handling/installation.

Design Considerations

Kraft and standard foil facings on this insulation will burn and must not be left exposed. Install facings in substantial contact with the finish material. Protect from open flame or other heat source.

Commercial roof/ceiling thermal applications require that the building envelope block the movement of air from the outdoor environment to the conditioned space. Neither the insulation nor its facing should be



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relied upon to provide an air barrier. Failure to provide an adequate air barrier could lead to loss of thermal control, discomfort of the building occupants and frozen pipes.

When insulation is added to the inside perimeter of a structure, the area outside the insulation becomes exposed to greater temperature extremes. Building structures should be inspected to ensure they can withstand the additional expansion and contraction forces. Check for piping which should be protected against freezing.

The need for and placement of a vapor retarder in commercial construction depends on many factors. The architect or specifier should evaluate the requirements of each project. If a vapor retarder is specified, maintaining the facing integrity may be important for effective moisture control. Repair any punctures or tears in the facing by taping. Follow the tape manufacturer's application recommendations.

Insulation installed too close to light fixtures may affect the luminaire's performance. Do not install insulation on top of or within 3" of recessed light fixtures unless the fixtures are approved for such use. This is a requirement of the National Electrical Code.

Due to the potential for skin irritation, PROPINK® EcoTouch® Unfaced Insulation should not be used for exposed applications where it will be subject to human contact.

Installation

Technical Data

Property (Unit)	Value	Test
Dimensional Stability (shrinkage)	<0.1%	ASTM C167
Surface Burning Characteristics (flame spread / smoke developed)		ASTM E84
Unfaced	25 / 50	
Kraft faced	NR / NR	
Foil faced	75 / 150	
Poly / FSK / PSK faced"	25 / 50	
Critical Radiant Flux (W/cm ²) all facings	>0.12	ASTM E970
Water Vapor Permeance (perms)		ASTM E96
Kraft faced	1.0	
Foil faced	0.5	
Poly faced	0.7	
FSK & PSK faced	0.02	
Water Vapor Sorption (by weight)	<5%	ASTM C1104
Odor Emission	Pass	ASTM C1304
Corrosion Resistance	Pass	ASTM C665, part 13.8
Fungi resistance	Pass	ASTM C1338

Classifications

EcoTouch® Product	ICC Building Construction	ASTM C665
Unfaced	all types	Type I
Kraft faced	Type III, IV, V	Type II, Class C, Cat. I
Foil faced	Type III, IV, V	Type III, Class C, Cat. I
Poly faced	Type III, IV, V	Type II, Class A, Cat. I
FSK faced	Type III, IV, V	Type III, Class A, Cat. I
PSK faced	Type III, IV, V	Type II, Class A, Cat. I

General

Always use PROPINK® EcoTouch® Insulation products in the application for which they are intended. Compressing insulation into a cavity that is less than the insulation label thickness will cause a reduction in R-value.

Air seal all openings / penetrations in ceiling, wall and floor assemblies before installing PROPINK® EcoTouch® Insulation. Insulation should be installed in continuous alignment with the air barrier - usually the interior finish of ceiling, wall or floor. Air movement around or through the insulation can cause a reduction in thermal performance.

Ceilings / Floors

PROPINK® EcoTouch® Insulation is designed to fit between the truss bottom cord or joists of either flat or vaulted / cathedral ceiling and floor assemblies. The required R-value can be met using a thick, single layer, or multiple thinner layers placed perpendicular to each other. Insulation should cover the entire ceiling, out to and over the top plate of exterior walls below. Use vent baffles to ensure insulation does not block the movement of air between soffit vents and the attic space.

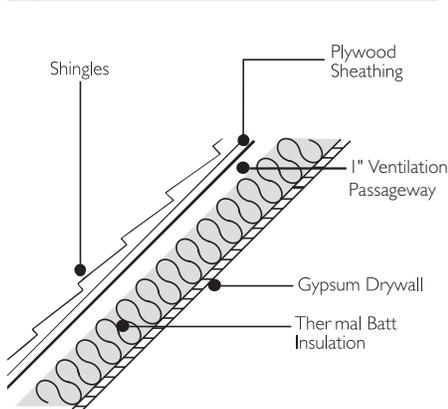
In cathedral ceiling assemblies, ensure a minimum 1" air space is maintained between the roof



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Figure 1



deck and insulation, for the entire length of each cavity (Figure 1). This can be accomplished by using PROPINK® EcoTouch® R-30C and R-38C cathedral ceiling products, or by installing vent baffles to the underside of the roof decking.

Walls

PROPINK® EcoTouch® Insulation is designed to fit between the studs of both wood framed and metal framed walls. Unfaced insulation is installed via friction-fit after the finish / sheathing material has been installed on one side of the assembly. Faced insulation can be installed via friction-fit or by stapling the facing tabs to the face or inside of wood studs or taping / gluing to metal studs. For assemblies more than 8 feet high, supplemental support should be used.

PROPINK® EcoTouch® Insulation should completely fill all cavities, with no gaps, voids or areas of compression. Trimming and fabrication can be done with a utility knife for installation in narrow width, short or odd-shaped cavities. Insulation should be split for placement on both sides of any wiring or piping runs in the cavity (never place the insulation completely behind or completely in front of the obstruction, which would create a void). Insulation should be cut to fit snugly around electrical boxes and the cut-out should be used to fill the void behind the box.

Furring Strips

PROPINK® EcoTouch® Insulation can be installed between wood furring strips, "hat" channels or

Z-shaped furring in areas where a finish material will be installed. Contact the furring strip manufacturer for appropriate fastening system.

Caution: FIBERGLAS™ insulation may cause temporary irritation to the skin, eyes and respiratory tract. Avoid contact with eyes and skin, wear loose-fitting, long-sleeved clothing, gloves and eye protection when handling and applying the material. Wash with soap and warm water after handling. Wash work clothes separately and wipe out washer.

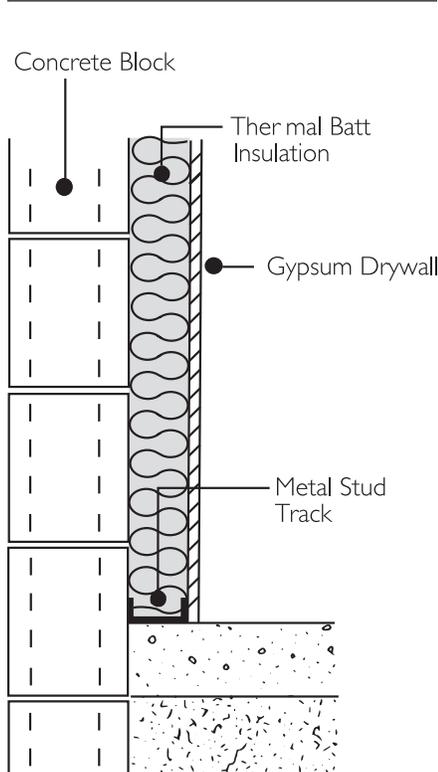
Applicable Standards

PROPINK® EcoTouch® Unfaced Insulation is manufactured in compliance with ASTM Standard Specification C665 and is classified noncombustible per ASTM E136. PROPINK® EcoTouch® Kraft-faced Insulation is manufactured in compliance with ASTM C665, Type II, Class C. Federal Specification HH-I-521F has been canceled and is replaced by ASTM C665.

The thermal resistance values for PROPINK® EcoTouch® FIBERGLAS™ Insulation were tested in accordance with ASTM C518; R-value for insulation only.

The surface burning characteristics of PROPINK® EcoTouch® FIBERGLAS™ Insulation were derived from products tested in accordance with ASTM E84. This standard is used solely to measure and describe properties of

Figure 2





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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 pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest five rating.

The vapor retarder permeance of the kraft and foil facings on EcoTouch® Insulation were developed from tests conducted in accordance with ASTM E96, desiccant method.

Notes

1. As manufactured, FIBERGLAS™ insulation is resistant to mold growth. However, mold growth can occur on building materials, including insulation, when it becomes contaminated with organic material and when water is present. To avoid mold growth on FIBERGLAS™ insulation, remove any water that has accumulated and correct or repair the source of the water as soon as possible. Insulation that has become wet should be inspected for evidence of residual moisture and contamination, and any insulation that is contaminated should be promptly removed and replaced.
2. According to 2010 clinical trial conducted in Toronto, Canada by Ducker Worldwide on behalf of Owens Corning Insulation Systems, LLC.
3. Unfaced insulation is made with a minimum of 99 percent by weight natural materials consisting of minerals and plant-based compounds.
4. Certified by Scientific Certifications Systems to have a minimum of 58% recycled glass content, with at least 36% post-consumer recycled and the balance of pre-consumer recycled glass content.
5. Owens Corning™ PROPINK® EcoTouch® Unfaced FIBERGLAS™ insulation is verified to be formaldehyde free by the GREENGUARD Environmental Institute.



SCS 58% recycled content applies to EcoTouch® Unfaced Batts and Rolls, EcoTouch® Faced Batts and Rolls, Loosefill Insulation, Metal Building Insulation products and Flexible Air Handling products.



Applies to EcoTouch® Unfaced Insulation

Disclaimer of Liability

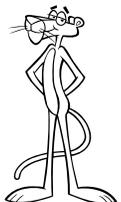
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