



07 21 26.16.OCC PROPINK® FIBERGLAS® BLOWN INSULATION

Product Data Sheet



PRODUCT DESCRIPTION

Blown glass fibre thermal insulation, designed for blowing application using commercial pneumatic equipment. 73%* recycled content AND formaldehyde-free.

Recommended Uses

Thermal insulation applied on horizontal surfaces using pneumatic equipment:

- Attics (or roof-spaces) of flat or sloped roofs, located above flat ceilings or those with a maximum slope of 4.5 : 12
- Building floors separating interior from exterior spaces

Acoustical insulation for interior floors separating two areas with an acoustic barrier.

PROPINK® FIBERGLAS® Blown Insulation is GREENGUARD Gold and SCS certified for its "green" content (refer to TECHNICAL DATA) and can contribute to obtain LEED® CANADA-NC Certification credits when used as thermal insulation in a building submitted to the LEED® CANADA NC AND CS (refer to TABLE 2).

Limitations

When used in the following locations PROPINK® FIBERGLAS®

Blown Insulation must be used as part of the **PROPINK® Wall Insulation System** (refer to Data Sheet 07 21 26.16.OCC. PROPINK® Wall Insulation System):

- Roof-spaces with ceilings having a slope greater than 4.5 : 12.
- Wood or steel framed walls in new or existing buildings, whether above or below ground.

In such cases, **EcoTouch® PINK™ FIBERGLAS® Batt Insulation** can also be used (refer to Data Sheet 07 21 16.16 OCC PINK FIBERGLAS Batt Insulation).

Components

PINK colour and glass fibre, manufactured from recycled materials obtained from two sources:

- "Post-industrial" (or "pre-consumer"): glass recycled from glass manufacturing plants' waste (glass containers, flat glass and others).
- "Post-consumer": glass materials recycled from construction sites (demolition work, new construction and renovation) and from consumers' "blue boxes".

Includes materials that contribute to the reduction of dust and static electricity, ensuring a clean and easy installation. This product does not include any phenol-formaldehyde bonding agent.

PROPINK® FIBERGLAS® Blown Insulation contains no perlite, vermiculite or phenol-formaldehyde binder.

TECHNICAL DATA

Applicable Codes and Standards
National Building Code of Canada or Provincial Building Code

Canadian Standards

- CAN/ULC-S702, Standard for Thermal Insulation, Mineral Fibre, for Buildings (supersedes CSA A101-M1983); Type 5, blowing wool
- CAN/ULC-S102.2, Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and assemblies; superficial combustion characteristics; flame spread: 0 and smoke developed: 10
- CAN/ULC S-129, Standard Method of Test for Smoulder Resistance of Blown Insulation (Basket Method) (supersedes ULC-C723(s)); smoulder resistance indicated in CSA A101-M1983)
- CAN4-S114, Standard test method to determine the noncombustibility of building materials; all Owens Corning blown glass fibre insulation meets the requirements of this standard

Health Canada/Workplace Hazardous Materials Information System (WHMIS).

Visit www.owenscorning.ca for a current copy of the Material Safety Data Sheet (MSDS) for PROPINK® FIBERGLAS BLOWN INSULATION. Canadian Construction Materials Centre (CCMC) Product Evaluation

PROPINK® FIBERGLAS® Blown Insulation's design thermal resistance is 18.7 (m² °K/W)/ meter thickness for a design density of 8.0 kg/m³.

- Data valid for products manufactured at facilities located at 831 Hayter St., Edmonton (Alberta) and at 3450, McNicoll Avenue, Scarborough (Ontario).
- Product Evaluation Listing Number **12851-L**.



07 21 26.16.OCC PROPINK® FIBERGLAS® BLOWN INSULATION

Product Data Sheet

TABLE 1 Physical Properties

Properties	CAN/ULC-S702 requirements for blowing wool ⁽¹⁾	PROPINK® FIBERGLAS® BLOWN INSULATION
Design density	Design density	8.0 kg/m ³
Thermal resistivity	≥18.5 (m ² K)/W	18.7 (m ² K)/W / meter of thickness
Surface burning characteristics	Flame spread classification max. 25; smoke developed max. 50	Flame spread: 0 Smoke developed: 10
Smoulder resistance	Average mass loss < 5%, Individual mass loss of < 10%	Meets requirements

⁽¹⁾ Refer to CAN/ULC-S702, TABLE 2

Certification by Independent Third Party Agencies - Recycled Content and Indoor Air Quality Standards

SCS Certification (Scientific Certification Systems) for recycled materials content.

Certification based on environmental claims certification program:

- 73% minimum certified recycled materials content distributed as follows:
 - 9% “post-industrial” (or “pre-consumer”) recycled materials content; average for all North American manufacturing plants;
 - 64% “post consumer” recycled materials content;
- “Certificate of Achievement”: “manufactured by Owens Corning™ (various forms and sizes)”.

For up-to-date Certification information, go to www.scs-certified.com.

PROPINK® FIBERGLAS® Blown Insulation is GREENGUARD Gold Certified to meet stringent indoor air quality standards.

GREENGUARD Gold certification: Owens Corning™ PROPINK® FIBERGLAS® Blown Insulation. For up-to-date Certification information, go to www.ul.com/gg.

IDENTIFICATION

Each bag of insulation is labelled with information as required by CAN/ULC-S702, along with the CCMC evaluation listing number 12851-L.

APPLICATION

Preparation

Where there are soffit vents, take appropriate measures to prevent blown glass fibre insulation from accumulating and blocking the air

CONTRIBUTION TO LEED® CANADA CERTIFICATION

TABLE 2: Contribution of Owens Corning Canada LP's PROPINK® FIBERGLAS® Blown Insulation towards LEED® CANADA-NC credits⁽¹⁾

Category and performance criteria	Requirements to meet to obtain a voluntary credit	Insulation's contribution to the performance	Additional comments
EA (Energy and Atmosphere) Credit 1 for energy performance optimization of new or existing buildings.	Anticipated energy cost reduction compared to MNECB ⁽²⁾ or ASHRAE 90.1: 1-19 points for NC, 3 to 21 points for CS, based on % reduction.	Insulation contributes significantly to the reduction of a building's energy demand. Global contribution depends on the design RSI value.	The Project Manager is responsible for the energy analysis concerning the global energy efficiency of the building (ex. LEED standard form letter).
MR (Materials and Resources) Credit 4 for recycled materials content. ⁽³⁾	“Post-consumer” recycled content plus one half “pre-consumer” recycled materials: 1 point for at least 10% and 2 points for at least 20%.	PROPINK® Blown Insulation Insulation: Minimum 73% average for Canadian manufacturing plants (9% Pre-consumer and 64% Post-consumer).	Recycled content certifications by Scientific Certification Systems for PROPINK® FIBERGLAS® Blown Insulation Minimum 73% average for Canadian manufacturing plants.
MR (Materials and Resources) Credit 5 for locally or regionally produced materials.	Use building materials/ products extracted, harvested, recovered & processed within 800 km (2,400 km if shipped by rail or water) of the final manufacturing site. Demonstrate final manufacturing site is within 800 km (2,400 km if shipped by rail or water) of project site for these products: 1 point for at least 20% and 2 points for at least 30%.	Canadian Insulation products originating from the 2 FIBERGLAS plants (Toronto, Edmonton) contribute towards credits for this category.	Verify with local sales representatives to determine the product's origin.

Owens Corning EPD certifications of FIBERGLAS® batts and loose fill insulation currently qualify for 1 LEED® point under Material Disclosure and Assessment (MRpc61). The intent is to increase the use of products and materials with life cycle, ingredients, and attributes understood and optimized to improve overall environmental, economic, and social performance.

⁽¹⁾ Refer to the LEED® Canada for new construction and major renovations as promoted by the CaGBC.

⁽²⁾ Model National Energy Code for Buildings.

⁽³⁾ The recycled content of a material or furniture must be determined by dividing the weight of the recycled content of the item by the total weight of the whole item, then by multiplying the resulting ratio by the total cost of the item.



Product Data Sheet

ventilation and also to prevent the insulation from being displaced due to wind penetration through the soffit vents. Install Owens Corning **raft-R-mate®** attic vents.

Applicator Protection

Recommended personal protective equipment (PPE) includes: disposable dust masks (see Material Data Safety Sheet), appropriate eye protection and gloves.

Pneumatic Application

Product applied in unconfined spaces with slopes not exceeding 4.5: 12 and in accordance with manufacturer's data illustrated in the following APPLICATION CHART.

Humidity

Wet insulation must be replaced or left to dry by providing an adequate air circulation. If the insulation is not compressed, it will recover its initial thermal resistance.

AVAILABILITY AND COST

Cost Estimates

Cost estimates are readily available from a physical description consisting of drawings and a brief specification based on the information contained in this Product Data Sheet.

TECHNICAL SERVICES

Owens Corning Canada Regional Technical Support Representatives can assist with technical questions.

QUALITY CONTROL

Owens Corning Canada LP regularly submits its products to independent agencies that certify their environmental quality in terms of:

- Toxic chemical and volatile particle emissions affecting indoor air quality and the ozone layer.

TABLE 3 – APPLICATION CHART

THERMAL RESISTANCE		MINIMUM THICKNESS ⁽¹⁾		MINIMUM MASS PER UNIT AREA		MAXIMUM COVERAGE PER BAG		MINIMUM NUMBER OF BAGS PER UNIT AREA	
RSI	R	mm	inches	kg/sq m	lbs/sq ft	sq meters	sq ft	100 sq m	1000 sq ft
2.1	12	112	4.5	0.90	0.184	16.7	179.7	6.0	5.6
2.8	16	150	6.0	1.20	0.245	12.5	134.8	8.0	7.4
3.5	20	187	7.5	1.50	0.307	10.0	107.8	10.0	9.3
4.2	24	225	9.0	1.80	0.368	8.3	89.9	12.0	11.1
4.9	28	262	10.5	2.10	0.429	7.2	77.0	14.0	13.0
5.6	32	299	12.0	2.40	0.491	6.3	67.4	16.0	14.8
6.3	36	337	13.5	2.70	0.552	5.6	59.9	18.0	16.7
7.0	40	374	14.75	2.99	0.613	5.0	53.9	20.0	18.5
7.7	44	412	16.25	3.29	0.675	4.6	49.0	22.0	20.4
8.4	48	449	17.75	3.59	0.736	4.2	44.9	24.0	22.3
8.8	50	468	18.5	3.74	0.767	4.0	43.1	25.0	23.2
9.1	52	487	19.25	3.89	0.797	3.9	41.5	26.0	24.1
9.8	56	524	20.75	4.19	0.859	3.6	38.5	28.0	26.0
10.5	60	561	22.25	4.49	0.920	3.3	35.9	29.9	27.8

⁽¹⁾ Measured at locations where thickness is not limited by roof slope nor other obstacles.

⁽²⁾ Net coverage per bag may be increased 2% to 10% according to joist spacing and dimensions. Use correction factors to determine exact percentage.

- Recycled materials content.

A *Certificate of Coverage* form is available to the applicator to be filled-in and signed in accordance with requirements of CAN/ULC-S702; it must be posted on site during the Work and remitted to the Owner.

The certificate shall include the following information and statements:

- A. product/brand name;
- B. manufacturer's name and address;
- C. area insulated;
- D. net bag content;
- E. applied thickness;
- F. calculated number of bags required;
- G. number of bags installed;
- H. thermal resistance of the applied insulation;

I. date installed;

J. applicator's name and signature;

K. applicator's company name and address; and

L. applicable certification number or CCMC number.

The *Certificate of Coverage* form must be accompanied by the application chart as required by the standard; refer to Table 3, article 7 - Application.

INFORMATION CLASSIFICATION SYSTEM

Architectural Specifications

Classification in accordance with MasterFormat™ published by CSC-DCC and CSI. Selected number and title is

07 21 26.16 – Blown Glass Fibre Insulation.



07 21 26.16.OCC
PROPINK® FIBERGLAS®
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Product Data Sheet

Data Sheet

Classification in accordance with MasterFormat published by CSC-DCC and CSI.

Selected number **07 21 26.16.OCC**

PROPINK® FIBERGLAS®

Blown Insulation corresponds to the classification of the PROPINK® FIBERGLAS® Blown Insulation manufactured by OWENS CORNING CANADA LP.



OWENS CORNING INSULATING SYSTEMS CANADA LP

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*Based on the average recycled glass content in all Owens Corning fiberglass batts, rolls and unbonded loosefill insulation manufactured in Canada