



ProCat™

Professional Loosefill Insulation System

PRODUCT DATA SHEET

Description

ProCat™ Insulation is an unbonded loosefill fiberglass™ thermal insulation. It is designed for use exclusively with the ProCat™ machine.

Uses

ProCat™ Insulation is intended for use in both “open” applications, such as the floor of vented attics, and in “closed cavity” applications, such as walls and floors between stories of a house.

ProCat™ Insulation can be used in both existing and new construction.

Features & Benefits

- The ProCat™ machine has a “dense mode” setting to enable installation of ProCat™ insulation at higher R-value in the eaves, where height may be limited.
- Owens Corning® Loosefill Insulation has received the Cradle to Cradle Products Innovation Institute’s Platinum Level Material Health Certificate²

Design Considerations

To prevent fire or overheating of recessed light fixtures or similar electrical devices, do not insulate on top of or within 3 inches of such devices unless they are specifically approved and labeled “IC rated” (insulation contact).

Do not place insulation in air spaces surrounding metal flues, chimneys, or fireplaces. Provide minimum clearances specified in NFPA-31, NFPA-54, or NFPA-211, or as required by local building codes.

In Canada, maintain building, electrical, gas and oil safety codes required. Clearances between insulation and heat emitting devices, such as fuel burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm) and recessed light fixtures (at least 75 mm).

Applicable Standards

- ProCat™ Insulation is manufactured in accordance with ASTM C764, Standard Specification for Mineral Fiber Loosefill Thermal Insulation.
- ProCat™ Insulation is certified by the State of California, Dept. of Consumer Affairs, Bureau of Home Furnishings and Thermal Insulation as meeting the requirements of the California Standards for Insulating Material.
- ProCat™ Insulation meets requirements of the State of Minnesota Standards for Insulation Materials and Installation.

ProCat™

Net Weight 33.5 lbs.

R-Value	Bags per 1000 Sq.Ft.	Maximum Net Coverage, Sq. Ft.	Minimum Weight/Sq. Ft.	Minimum Initial Installed Thickness Inches	Minimum Settled Thickness, Inches
13	5.1	198.0	0.169	4.75	4.75
19	7.8	128.7	0.260	7.00	7.00
22	9.0	110.6	0.303	8.00	8.00
26	10.7	93.5	0.358	9.25	9.25
30	12.4	80.6	0.416	10.50	10.50
38	16.4	60.9	0.550	13.25	13.25
44	19.1	52.3	0.641	15.00	15.00
49	21.5	46.4	0.722	16.50	16.50
60	27.1	36.9	0.908	19.75	19.75

ProCat™ Walls

Net Weight 33.5 lbs.

R Value	Minimum Bags per 1000 sq. ft	Maximum Coverage Per Bag in Sq. Ft	Minimum Weight in Lb / Sq. Ft.	Minimum Initial Installed Thickness in Inches	Installed Density lb per cubic foot
14	11.3	90.2	0.379	3.5	1.3
15	13.1	78.1	0.438	3.5	1.5
22	17.8	57.4	0.596	5.5	1.3
24	24.7	41.4	0.825	5.5	1.8

ProCat™ Dense

Net Weight 33.5 lbs.

R Value	Additional Bags Required per 100 ft of Roof Line		
	4:12 Roof Pitch	5:12 Roof Pitch	6:12 Roof Pitch
30	1.2	1	0.8
49	3.6	3	2.4
60	5.5	4.5	3.6

Installation

Stated R-value is achieved by installing the minimum required number of bags per 1,000 net sq. ft. at a thickness not less than the label minimum thickness and minimum sq. ft. weight. Failure by the installer to provide both the required number of bags and at least the minimum thickness will result in lower insulation R-value.

In order to achieve the R Values stated on this data sheet, strictly follow Owens Corning’s written instructions and recommendations for the operation, maintenance and service of the ProCat™ machine.

Owens Corning does not recommend or approve blending or adding additional materials or adhesives to this product during installation. Owens Corning will accept no responsibility or liability when the product is not installed in accordance with the product label and installation instructions.

Owens Corning recommends and provides instructions for installing ProCat™ Insulation from the outside of exterior sidewalls. You may also install it from the inside, however, it is important to note that drill and fill installation from the inside requires a strong working knowledge of construction and framing principles, texture matching and other variables. Please consult a professional contractor to perform this job, if you do not have this expertise.

Fiberglass and mold

As manufactured, fiberglass insulation is resistant to mold growth. However, mold growth can occur on building materials, including insulation, when contaminated with organic material and when water is present. To avoid mold growth in fiberglass insulation, remove any water that has accumulated and eliminate the source of the water as soon as possible. Insulation that has become wet should be inspected for residual moisture and organic material. Any contaminated material should be promptly removed and replaced.

ProCat™ Insulation is classified by ASTM C764, section 4.1, as “Type I - Pneumatic application” material. It is considered noncombustible, per testing in accordance with ASTM E136, and is permitted for use in all building construction types as defined in the ICC Intl. Building Code (IBC).

Technical Data

Property (Unit)	Value	Test
Thermal resistance	(See coverage charts)	ASTM C518 & ASTM C687
Surface Burning Characteristics		
flame spread / smoke developed	0 / 0	ASTM E84 ¹
flame spread / smoke developed	0 / 0	Can/ULC S102.2
Critical Radiant Flux (W/cm ²)	>0.12	ASTM E970
Combustion characteristics	Noncombustible	ASTM E136
Water Vapor Sorption (by weight)	<5%	ASTM C1104/ C1104M
Odor Emission	Pass	ASTM C1304
Corrosion Resistance	Pass	ASTM C665, part 13.8
Fungi resistance	Pass	ASTM C1338

¹This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of the materials, products, or assemblies 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 (5) rating.

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum of 53% recycled glass content, 31% pre-consumer and 22% post-consumer.
- Certified to meet indoor air quality standards under the stringent GREENGUARD Indoor Air Quality Certification Program™, and the GREENGUARD Gold Certification.*



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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.

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.

This Home Innovation Research Labs Green Approved mark is your assurance that a product is eligible for points toward National Green Building Certification. Visit www.GreenApprovedProducts.com for details.

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