



INNOVATIONS FOR LIVING™

# PROPINK® Unbonded Red Bag Loosefill Insulation

## Product Data Sheet

PROPINK unbonded loosefill insulation fiber glass is an alternative to roll or batt insulation in attics, new construction and retrofit applications.

### Compliance

- PROPINK fiber glass loosefill insulation conforms to the product requirements of ASTM C 764 Type I (pneumatic application).
- R-values are determined in accordance with ASTM C 687.
- Passes the requirements of ASTM E 136 and is considered noncombustible by the model building codes.
- The surface burning characteristics of this product have been determined in accordance with:
 

	ULC S 102.2	ASTM E 84*
Flame Spread	0	<25
Smoke Developed	0	<50
- PROPINK insulation passes the requirements of ASTM C 764 section 12.8 – is noncorrosive, ASTM C 1104 – does not absorb moisture, and ASTM C1338-does not support mold growth.
- Conforms to the quality standards of the State of California.

\*This 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.

### Thermal Performance

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.

All insulation varies in thermal performance due to factors such as mean temperature, settlement, convection, moisture absorption and installation variation. Convection in fiber glass loosefill insulation installed in open attics can reduce its thermal performance at extreme winter temperatures during the heating season. PROPINK unbonded loosefill insulation fiber glass has been designed to anticipate this phenomenon and the labeled R-value reflects the average performance over the winter heating season. The dollar impact to a homeowner's annual heating cost from loosefill convection is estimated to be minimal, if any, when compared to labeled performance.

### Attic/Ceiling Guidelines

PROPINK Insulation Red Bag Label — IRNL32 Nominal Bag Wt. 33 lbs.

	R-Value <sup>1</sup>								
	R-13	R-19	R-22	R-26	R-30	R-38	R-44	R-49	R-60
<b>Bags per 1,000 sq. ft.</b>	6.6	9.4	11.1	13.2	15.3	19.5	23.0	25.8	32.1
<b>Max sq. ft. per bag</b>	151.4	106.3	89.9	75.7	65.4	51.4	43.6	38.8	31.1
<b>Min weight per sq. ft.</b>	0.218	0.310	0.367	0.436	0.504	0.642	0.757	0.850	1.060
<b>Initial installed thickness (in.)</b>	5.00	7.50	8.50	10.00	11.50	14.50	16.50	18.25	22.00
<b>Min settled thickness<sup>1</sup></b>	5.00	7.50	8.50	10.00	11.50	14.50	16.50	18.25	22.00

<sup>1</sup>This product shows negligible settling.

Unisol Volu-Matic II machine was used to determine the coverage information above. The machine was set up in 4th gear, with a 75% open gate and a 3" hose, blowing the wool out in a 10 ft. arc.

### Installation Specifications

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.

### Installation Considerations for Enclosed Cavity Applications

When installing PROPINK unbonded loosefill insulation fiber glass in a thermal or acoustical retrofit application, it is absolutely critical that the enclosed cavity crews have a general knowledge of construction and framing principles and a full understanding of the blowing equipment. Additionally, the following items should be considered:

- Check for possible routes that may allow insulation to escape from cavities and fall into the living area, basement or crawlspace.



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- Check exterior siding for signs of paint peeling or moisture problems. If these problems exist, walls should not be insulated until underlying reasons for the problems have been corrected. Insulating a cavity that does not have an adequate interior vapor retarder substantially increases the potential for exterior and/or interior moisture problems.
- Check for HVAC ducts or flues that may be present in wall or floor cavities to be insulated.
- Check for cavity surfaces which may not be able to withstand pressures created during the blowing process.

### **Fire Hazard:**

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 to be covered by insulation. 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 code required clearances between the 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).

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

### **Fiber Glass and Mold:**

As manufactured, fiber glass 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 fiber glass insulation, remove any water that has accumulated and correct or repair the source of that 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.



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### PROPINK Loosefill Red Bag – Enclosed Cavity Application

Nominal Bag Weight 33 lb.

	R-Value	Initial Installed Thickness <sup>1</sup> (in)	Density lb/ft <sup>3</sup>	Maximum Coverage per bag ft <sup>2</sup>	Minimum number bags per 1,000 ft. <sup>2</sup>	Minimum Weight per unit area lb/ft. <sup>2</sup>	Minimum Settled Thickness (in)
Side Walls	2 × 4	11	3.5	0.75	151	6.6	3.5
		13	3.5	1.00	113	8.8	3.5
		14	3.5	1.50	75	13.3	3.5
	2 × 6	15	3.5	2.25	50	19.9	3.5
		17	5.5	0.75	96	10.4	5.5
		19	5.5	1.00	72	13.9	5.5
21		5.5	1.25	58	17.4	5.5	
22		5.5	1.50	48	20.8	5.5	
24		5.5	2.50	29	34.7	5.5	
Floors	2 × 8	28	7.25	1.25	44	22.9	7.25
		30	7.25	1.50	36	27.5	7.25
		31	7.25	2.00	27	36.6	7.25
	2 × 10	35	9.25	1.25	34	29.2	9.25
		38	9.25	1.50	28	35.0	9.25
		40	9.25	2.50	17	58.4	9.25

<sup>1</sup>This product shows negligible settling.

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### Maximum Gross Coverage Per Bag

To compensate for joists, the following table may be used to determine gross coverage per bag (sq. ft.)

R-Value	Joist Size	Coverage/Bag (sq. ft.)	
		16 in. o.c.	24 in o.c.
13	2 × 4	162.0	158.3
	2 × 6	168.8	162.6
	2 × 8	175.2	166.5
19	2 × 4	111.2	109.5
	2 × 6	114.1	111.4
	2 × 8	116.9	113.1
22	2 × 4	93.5	92.3
	2 × 6	95.7	93.7
	2 × 8	97.7	95.0
26	2 × 4	78.3	77.4
	2 × 6	79.8	78.4
	2 × 8	81.2	79.3
30	2 × 4	67.3	66.7
	2 × 6	68.5	67.4
	2 × 8	69.5	68.1
38	2 × 4	52.6	52.2
	2 × 6	53.3	52.6
	2 × 8	53.9	53.1
44	2 × 4	44.5	44.2
	2 × 6	45.0	44.5
	2 × 8	45.5	44.8
49	2 × 4	39.5	39.3
	2 × 6	39.9	39.5
	2 × 8	40.3	39.8
60	2 × 4	31.6	31.4
	2 × 6	31.8	31.6
	2 × 8	32.1	31.8



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