



INNOVATIONS FOR LIVING™

ThermaGlas® Fiber Glass Loosefill Insulation

Product Data Sheet

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

Compliance

- ThermaGlas fiber glass loosefill insulation conforms to the product requirements of ASTM C764 Type I (pneumatic application).
- R-values are determined in accordance with ASTM C687 and ASTM C518. (See adjacent chart).
- Conforms to Department of Energy material standards.
- Passes the requirements of ASTM E136 and is considered noncombustible by the model building codes.
- The surface burning characteristics of this product have been determined in accordance with ASTM E84*:
Flame Spread: <25
Smoke Developed: <50
- This product is non-corrosive, does not absorb moisture and does not support mold growth.
- Conforms to the quality standards of the state of California.

† The surface burning characteristics of these products have been developed in accordance with ASTM E 84, UL 723 or CAN/ULLC-S102. This standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

Attic/Ceiling Guidelines

R-Value ¹	Minimum bags/1,000 net sq. ft.	Maximum coverage/bag (sq. ft.)	Minimum weight/sq. ft. (lbs.)	Minimum thickness (inches)	Settled thickness (inches)
R-60	37.6	26.6	1.32	23¼	23¼
R-49	30.8	32.5	1.08	19	19
R-44	27.9	35.8	0.98	17¼	17¼
R-40	25.1	39.8	0.88	15½	15½
R-38	23.9	41.9	0.84	14¾	14¾
R-30	19.0	52.6	0.67	11¾	11¾
R-26	16.2	61.8	0.57	10	10
R-22	13.8	72.7	0.48	8½	8½
R-19	12.1	82.4	0.43	7½	7½
R-11	6.9	145.3	0.24	4¼	4¼

¹The higher the R-value, the greater the insulating power. Ask your seller for the fact sheet on R-values.

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.

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	16 in. O.C. (sq. Ft.)	24 in. O.C. (sq. ft.)
R-60	2 x 4	26.95	26.82
	2 x 6	27.17	26.96
	2 x 8	27.39	27.11
R-49	2 x 4	33.08	32.89
	2 x 6	33.41	33.11
	2 x 8	33.76	33.33
R-44	2 x 4	36.50	36.27
	2 x 6	36.91	36.53
	2 x 8	37.33	36.81
R-40	2 x 4	40.71	40.42
	2 x 6	41.22	40.75
	2 x 8	41.74	41.09
R-38	2 x 4	42.83	42.50
	2 x 6	43.39	42.87
	2 x 8	43.97	43.25
R-30	2 x 4	54.08	53.56
	2 x 6	54.98	54.15
	2 x 8	55.91	54.75
R-26	2 x 4	63.86	63.15
	2 x 6	65.12	63.96
	2 x 8	66.44	64.80
R-22	2 x 4	75.58	74.58
	2 x 6	77.36	75.73
	2 x 8	79.22	76.91
R-19	2 x 4	86.12	84.83
	2 x 6	88.43	86.31
	2 x 8	90.87	87.84
R-11	2 x 4	157.49	153.21
	2 x 6	165.40	158.12
	2 x 8	174.14	163.34



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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.

ThermaGlas fiber glass loosefill insulation may deliver reduced thermal performance due to convection at low outside temperatures. The product 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.

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.

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.

Caution:

ThermaGlas fiber glass loosefill insulation 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. Use a properly fitted NIOSH or MSHA approved disposable dust respirator such as the 3M Model 8210 (Model 8271 in high humidity environments) or equivalent when installing or removing this product in poorly ventilated spaces such as attics or crawlspaces. As an extra precaution you may choose to wear a disposable dust respirator at all times.



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