



EcoFill® Wx Blowing Insulation

DESCRIPTION

EcoFill Wx blowing insulation is an unbonded, fiberglass blowing insulation with a high degree of recycled content, designed for weatherizing and retrofitting existing housing or new construction.

APPLICATION

- Open blows in attics
- Dense-pack sidewalls using the drill-and fill-technique

SPECIFICATION COMPLIANCE

- ASTM C764; Type I
- HH-I-1030B; Class B Certified
- Meets the Quality Standards of the State of California

INDOOR AIR QUALITY

- UL Environment
 - GREENGUARD Certified
 - GREENGUARD Gold Certified
 - Validated to be Formaldehyde-Free
- EUCB Certified

FIBERGLASS AND MOLD

Fiberglass insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold it must be discarded. If the material is wet but shows no evidence of mold, it should be dried rapidly and thoroughly. If it shows signs of facing degradation from wetting, it should be replaced.

CONTRACTOR: _____
 JOB: _____
 DATE: _____

DOING MORE FOR THE WORLD WE LIVE IN.

All of our products are made from sustainable resources, such as recycled glass and sand. And we're proud to be putting glass bottles back to work rather than into landfills. Our products are made with a minimum of 50% recycled glass—totaling an average of 26 million bottles each month.



TECHNICAL DATA		
Property (Unit)	Test	Performance
Corrosion	ASTM C764	Pass
Critical Radiant Flux	ASTM E970	Greater than 0.12 W/cm ²
Combustibility	ASTM E136	Non-combustible
Water Vapor Sorption (by weight)	ASTM C1104	5% maximum
Mold Growth	ASTM C1338	Pass
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84, CAN/ULC S102	25/50

Thermal Performance

The stated thermal resistance (R-value) is provided by installing the required number of bags per 1,000 square feet of net area, at not less than the labeled minimum thickness (per the manufacturer's instructions). Failure to install both the required number of bags and at least the minimum thickness will result in lower insulation R-values.

Field blending of this product with other loose fill insulation or application of this product in conjunction with adhesive or binder systems may affect its thermal performance and is not recommended by the manufacturer.

Equipment Required

To achieve labeled R-value, this product must be applied with a pneumatic blowing machine and a corrugated hose with a minimum 0.25" internal corrugation, a minimum length of 150' and a diameter of at least 3". Coils in the hose should not be less than 36" in diameter. The recommended feed rate is 15–25 lbs./min. For closed cavity applications, fabric or netting must be applied.

Open Attic Application					
R-Value*	Min. Bags/ 1,000 Sq. Ft.	Max. Coverage/Bag	Net Min. Weight/ Sq. Ft.	Initial Installed Thickness	Min. Settled Thickness**
To obtain an insulation resistance of:	Number of bags per 1,000 square feet of net area should not be less than:	Contents of this bag should not cover more than:	Weight per square foot of installed insulation should not be less than:	Installed insulation should not be less than:	Installed insulation should not be less than:
R-11	5.3	188.4 sq. ft.	0.152 lbs.	4"	4"
R-13	6.4	156.6 sq. ft.	0.183 lbs.	4¾"	4¾"
R-19	9.4	106.6 sq. ft.	0.268 lbs.	6¾"	6¾"
R-22	10.9	91.4 sq. ft.	0.313 lbs.	7¾"	7¾"
R-26	13.2	75.9 sq. ft.	0.377 lbs.	9½"	9½"
R-30	15.3	65.5 sq. ft.	0.437 lbs.	10¾"	10¾"
R-38	19.9	50.2 sq. ft.	0.569 lbs.	13"	13"
R-44	23.4	42.7 sq. ft.	0.670 lbs.	14¾"	14¾"
R-49	26.3	38.0 sq. ft.	0.753 lbs.	16¾"	16¾"
R-60	33.3	30.1 sq. ft.	0.952 lbs.	19¾"	19¾"

Bag Net Weight - Nominal 28.6 lbs., Minimum 31 lbs.

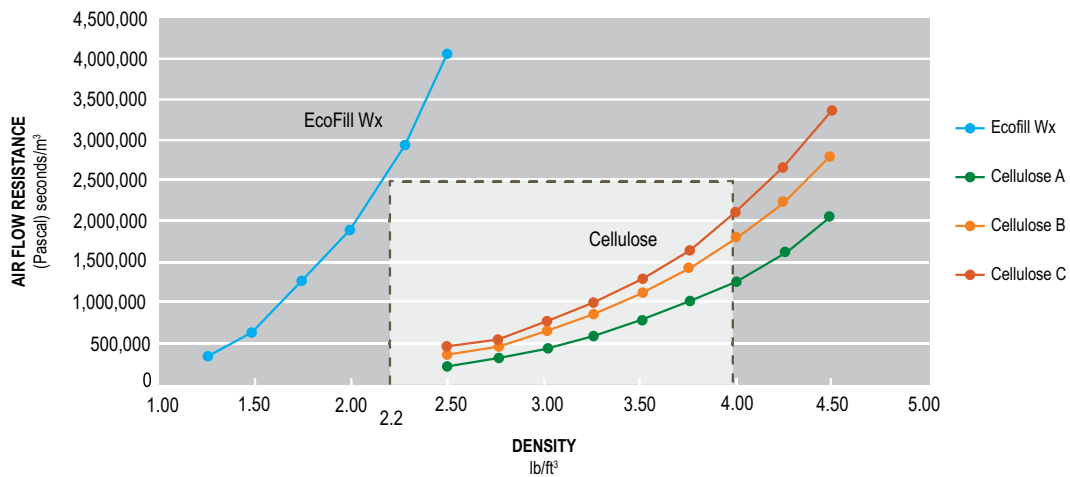
Coverage and installation data were determined using a Volu-Matic® III blowing machine in third gear with 13" gate opening, 2.5–3.0 PSI air pressure, 150' of 3" diameter internally-corrugated hose. Volu-Matic III is a registered trademark of CertainTeed Corporation.

**R" means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that this insulation be installed properly. If you do it yourself, get instructions and follow them carefully. Instructions do not come with this package.

**Based on Third Party 10-year settling study, the predicted settlement over a 20-year period would be 1 percent or less. This amount of settling is thermally insignificant. Therefore, the installed and settled thicknesses are effectively the same.

Cavity Wall Application - Dense Pack						
Framing	Cavity Depth	R-Value*	Density	Bags/ 1,000 Sq. Ft.	Max. Coverage/Bag	Net Min. Weight/Sq. Ft.
		To obtain a thermal resistance of:		Number of bags per 1,000 square feet of net area should not be less than:	Contents of this bag should not cover more than:	Weight per square foot of installed insulation should not be less than:
2" x 4"	3.50"	R-15	2.2 PCF	22.4	44.6 sq. ft.	0.624 lbs.
2" x 6"	5.50"	R-23	2.2 PCF	35.3	28.4 sq. ft.	1.008 lbs.
2" x 8"	7.25"	R-31	2.2 PCF	46.5	21.5 sq. ft.	1.329 lbs.
2" x 10"	9.25"	R-39	2.2 PCF	59.3	16.9 sq. ft.	1.696 lbs.

AIR FLOW RESISTANCE VS. DENSITY



CERTIFICATIONS



Check with your Knauf Insulation Territory Manager to ensure information is current.

The chemical and physical properties of this product represent average values determined in accordance with accepted test methods. The data is subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

This product is covered by one or more U.S. and/or other patents.
See patent www.knaufnorthamerica.com/patents

Visit knaufnorthamerica.com to learn more.

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