

# CertainTeed

## Specification Sheet

### Northern White Fibre Glass Blowing Insulation

#### PRODUCT NAME

Northern White Fibre Glass Blowing Insulation

#### MANUFACTURER

CertainTeed  
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Valley Forge, PA USA 19482-0105  
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#### PRODUCT DESCRIPTION

**Basic Use:** Northern White Fibre Glass Blowing Insulation is used in residential and commercial construction as a thermal and acoustical insulation. It is designed for pneumatic installation in open attic or ceiling plenum areas with flat flooring or up to a maximum slope of 4.5:12.

**Benefits:** This product is noncombustible, noncorrosive and odor free. In addition, Northern White won't settle, contains no chemicals to cause mildew and fungus growth, provides no sustenance for vermin, contains no asbestos, won't rot or decay and won't absorb moisture. Northern White is made from a combined minimum of 65% pre- and post-consumer recycled content.

**Composition and Materials:** Northern White is an unbonded, white, virgin fibre, loose fill fiber glass insulation. The glass fibres are manufactured from post-industrial and post-consumer recycled glass. Additives are applied to provide product extended shelf life and to reduce static electricity and fibre dusting during application. This insulation contains no asbestos, perlite, vermiculite or phenol-formaldehyde binder.

**Limitations:** Northern White is designed for use at ambient temperatures in interior, weather-protected locations. Pneumatic equipment must have an effective shredding section, a uniform controlled feed system and adequate material/air capabilities. This product is to be kept dry during shipping, storage and installation.

#### TECHNICAL DATA

##### Applicable Codes & Standards:

- ICC
- National Building Code of Canada 2005
- CCMC Evaluation Listing – 13255-L
- CAN/ULC-S702-97, Type 5 Blowing wool
  - Design density – CAN/ULC-S702 8.65 kg/m<sup>3</sup> (0.54 lb/ft<sup>3</sup>)
  - Thermal resistivity – ASTM C518 18.5 (m•k)/W (2.67 °F•ft<sup>2</sup>•hr/Btu•in)
  - Surface burning characteristics – CAN/ULC-S102.2  
Flame Spread ≤ 25  
Smoke Developed ≤ 50
  - Smoulder resistance – ULC-S129
- Can contribute to LEED CANADA-NC Certification credits

##### Physical/Chemical Properties:

- Thermal Performance (CAN/ULCS702-97): The stated R-values in the attics are achieved at weights and coverage specified when insulation is installed with pneumatic equipment in accordance with CertainTeed recommendations.  
See table on other side.



**Quality Assurance:** Many of CertainTeed's insulation manufacturing plants are registered to ISO 9001-2000 standards.

#### INSTALLATION

Installation procedures and techniques must be followed as recommended by CertainTeed Corporation, using blowing machines approved for fibre glass insulation. Refer to InsulSafe® SP Installation Manual (30-24-302). To obtain the thermal resistance shown on the chart, this material must be installed at both the thickness and mass per unit area equal to or greater than the minimum value specified.

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 between the insulation and recessed light fixtures (at least 75 mm). Recessed light fixtures, unless designed for the purpose, must not be installed in insulated ceilings.

## AVAILABILITY AND COST

For availability and cost contact your local distributor, or call CertainTeed Sales Support Group at (800) 233-8990.

## WARRANTY

Refer to CertainTeed's Limited Lifetime Insulation Warranty for Blowing Insulation (30-24-308).

## MAINTENANCE

No maintenance required.

## TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at (800) 233-8990.

### OPEN ATTIC APPLICATION COVERAGE CHART

Thermal Resistance*		Minimum Thickness		Minimum Weight Per Unit Area		Maximum Coverage Per Bag		Bags Per Unit Area	
R-Value	RSI	inches	mm	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	1,000ft <sup>2</sup>	100m <sup>2</sup>
8	1.4	3.0	76	0.13	0.65	201.4	18.71	5.0	5.3
12	2.1	4.5	114	0.20	0.98	134.3	12.47	7.4	8.0
13	2.3	4.9	124	0.22	1.08	122.6	11.39	8.2	8.8
16	2.8	6.0	151	0.27	1.31	100.7	9.35	9.9	10.7
19	3.3	7.0	178	0.32	1.54	85.4	7.94	11.7	12.6
20	3.5	7.4	189	0.34	1.64	80.6	7.48	12.4	13.4
22	3.8	8.1	205	0.36	1.78	74.2	6.89	13.5	14.5
24	4.2	8.9	227	0.40	1.96	67.1	6.24	14.9	16.0
28	4.9	10.4	265	0.47	2.29	57.5	5.35	17.4	18.7
30	5.3	11.3	286	0.51	2.48	53.2	4.94	18.8	20.2
32	5.6	11.9	303	0.54	2.62	50.3	4.68	19.9	21.4
34	6.0	12.8	324	0.57	2.81	47.0	4.37	21.3	22.9
36	6.3	13.4	341	0.60	2.95	44.8	4.16	22.3	24.1
38	6.7	14.3	362	0.64	3.13	42.1	3.91	23.8	25.6
40	7.0	14.9	378	0.67	3.27	40.3	3.74	24.8	26.7
44	7.7	16.4	416	0.74	3.60	36.6	3.40	27.3	29.4
48	8.4	17.9	454	0.80	3.93	33.6	3.12	29.8	32.1
49	8.6	18.3	465	0.82	4.02	32.8	3.05	30.5	32.8
50	8.8	18.7	476	0.84	4.12	32.0	2.98	31.2	33.6
52	9.1	19.4	492	0.87	4.26	31.0	2.88	32.3	34.7
56	9.8	20.9	530	0.94	4.58	28.8	2.67	34.8	37.4
60	10.5	22.3	568	1.01	4.91	26.9	2.49	37.2	40.1

Bag weight 27 lbs. (12.25 kg)

Design density 0.54 lb/ft<sup>3</sup> (8.65 kg/m<sup>3</sup>)

Design thermal resistance 2.67 R/in (18.5 RSI/m)

To obtain thermal resistance values shown on this chart, the applicator must install the correct number of bags to meet both the minimum thickness and minimum mass per unit area listed.



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