

## InsulSafe® XC Fibre Glass Blowing Insulation

### PRODUCT DESCRIPTION

**Basic Use:** InsulSafe® XC 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 areas or horizontal surfaces and sloped ceilings up to 4.5:12. Can also be used in BIBS system for wall applications

**Benefits:** This product is noncombustible, noncorrosive and odor free. In addition, InsulSafe® XC 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 retain moisture.

**Composition and Materials:** InsulSafe® XC is an unbonded, white, virgin loose fill fibre glass insulation designed for pneumatic application.

**Limitations:** InsulSafe® XC 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 should be kept dry during shipping, storage and installation.

### INSTALLATION

Installation procedures and techniques must be as recommended by CertainTeed Corporation, using blowing machines and hoses designed for fibre glass insulation.

### AVAILABILITY AND COST

Distributed and sold throughout Canada. For availability and cost contact your local Territory Manager, contractor or distributor, or call CertainTeed Sales Support at 800-233-8990.

### WARRANTY

Refer to CertainTeed's Limited Lifetime Insulation Warranty for InsulSafe® XC (30-21-1344).

### MAINTENANCE

No maintenance required.

### TECHNICAL SERVICES

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



Product Name	InsulSafe® XC Fibre Glass Blowing Insulation
Manufacturer	CertainTeed LLC
Address	20 Moores Road Malvern PA. 19355
Phone	800-233-8990
Website	<a href="http://www.certainteed.com/insulsafe-xc">www.certainteed.com/insulsafe-xc</a>

### TECHNICAL DATA

#### Applicable Standards

- National Building Code of Canada
- Material Standards:
  - CAN/ULC-702-14-Type 5 (Supercedes CSA A101-M)
- CCMC Evaluation Listing No. 13141-L
- UL GREENGUARD GOLD

#### Fire Resistance

- Fire Hazard Classification:
  - CAN/ULC-S102.2  
Flame Spread Index; 0  
Smoke Dev. Index; 5
- Noncombustibility:
  - CAN/ULC-S114, ASTM E 136 / Pass
- Smoulder Resistance:
  - CAN/ULC-S129  
Mean Mass Loss ≤ 2%  
Indiv. Mass Loss ≤ 3%

#### Physical/Chemical Properties

- Thermal Performance:
  - ASTM C518 - = 18.5 (m-K)/W
- Design Density:
  - CAN/ULC-S702 6.3.2 - = 8.33 kg/m<sup>3</sup>
- Corrosiveness:
  - ASTM C764 / Pass
- Fungi Resistance:
  - ASTM C1338 / Pass
- Water Vapour Sorption:
  - ASTM C1104 - <5%

#### Quality Assurance

Many of CertainTeed's manufacturing plants are registered to ISO 9001 standards.

**ATTIC APPLICATION COVERAGE CHART**  
**INSULSAFE® XC, CCMC 13141-L, CAN/ULC-702-14, TYPE 5 LOOSE FILL MINERAL FIBRE THERMAL INSULATION**  
 UNCONFINED ATTIC SPACES WITH SLOPES NOT EXCEEDING 4.5:12

THERMAL RESISTANCE		MINIMUM THICKNESS		MINIMUM MASS/AREA		MAXIMUM COVERAGE/BAG		MINIMUM BAGS/AREA	
RSI	R	mm	in	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	per 100m <sup>2</sup>	per 1,000ft <sup>2</sup>
2.1	12	114	4.5	0.95	0.194	14.9	160.1	6.7	6.2
2.8	16	151	6.0	1.26	0.258	11.2	120.1	9.0	8.3
3.5	20	189	7.4	1.58	0.323	8.9	96.0	11.2	10.4
4.2	24	227	8.9	1.89	0.387	7.4	80.0	13.4	12.5
4.9	28	265	10.4	2.21	0.452	6.4	68.6	15.7	14.6
5.3	30	286	11.3	2.39	0.489	5.9	63.4	17.0	15.8
5.6	32	303	11.9	2.52	0.516	5.6	60.0	17.9	16.7
6.3	36	341	13.4	2.84	0.581	5.0	53.4	20.2	18.7
7.0	40	378	14.9	3.15	0.646	4.5	48.0	22.4	20.8
7.7	44	416	16.4	3.47	0.710	4.1	43.7	24.7	22.9
8.4	48	454	17.9	3.78	0.775	3.7	40.0	26.9	25.0
8.8	50	476	18.7	3.96	0.812	3.5	38.2	28.2	26.2
9.1	52	492	19.4	4.10	0.839	3.4	36.9	29.1	27.1
9.8	56	530	20.9	4.41	0.904	3.2	34.3	31.4	29.2
10.5	60	568	22.3	4.73	0.968	3.0	32.0	33.6	31.2

DESIGN CRITERIA					
PKG.WT.		R/IN.		DENSITY	
lb	kg	(°F·FT <sup>2</sup> ·HR)/ BTU-IN	(K-M)/W	lb/ft <sup>3</sup>	kg/m <sup>3</sup>
31.0	14.1	2.67	18.50	0.520	8.33

**INSULSAFE XC FOR WALLS**

CONSTRUCTION TYPE	CAVITY DEPTH		THERMAL RESISTANCE		MINIMUM INSTALLED DENSITY		MAXIMUM NET COVERAGE PER PACKAGE		MINIMUM WEIGHT PER UNIT AREA		PACKAGES PER 1,000 SQ. FT. (MINIMUM)	
	mm	in	RSI	R	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	m <sup>2</sup>	ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	100 m <sup>2</sup>	1000 ft <sup>2</sup>
2 x 4	89	3.50	2.5	14	24.0	1.5	6.6	70.9	2.1	0.438	15.2	14.1
2 x 4	89	3.50	2.6	15	33.6	2.1	4.7	50.6	3.0	0.613	21.3	19.8
2 x 6	140	5.50	4.1	23	28.8	1.8	3.5	37.6	4.0	0.825	28.6	26.6
2 x 6	140	5.50	4.2	24	38.4	2.4	2.6	28.2	5.4	1.100	38.2	35.5
2 X 8	184	7.25	5.5	31	33.6	2.1	2.3	24.4	6.2	1.269	44.1	40.9
2 X 8	184	7.25	5.6	32	41.6	2.6	1.8	19.7	7.7	1.571	54.5	50.7
2 X 10	235	9.25	6.9	39	30.4	1.9	2.0	21.2	7.2	1.465	50.9	47.2
2 X 10	235	9.25	7.0	40	35.2	2.2	1.7	18.3	8.3	1.696	58.9	54.7
2 X 12	286	11.25	8.6	49	36.8	2.3	1.3	14.4	10.5	2.156	74.9	69.6
2 X 12	286	11.25	8.8	50	44.9	2.8	1.1	11.8	12.8	2.625	91.1	84.7
2 X 14	337	13.25	10.2	58	38.4	2.4	1.1	11.7	12.9	2.650	92.0	85.5
2 X 14	337	13.25	10.4	59	44.9	2.8	0.9	10.0	15.1	3.092	107.3	99.7

PACKAGE NOMINAL lb 31.0

PACKAGE NOMINAL kg 14.1



**CertainTeed Canada**

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