

## Specification Sheet

### OPTIMA® Loose Fill Fiber Glass Insulation for Closed Cavity Applications

#### 1. PRODUCT NAME

OPTIMA® Fiber Glass blowing insulation for use with OPTIMA Fabric in the OPTIMA system.

#### 2. MANUFACTURER

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482-0105  
Phone: (610) 341-7000  
(800) 233-8990  
Fax: (610) 341-7571  
Fax-On-Demand: (800) 947-0057  
Website: www.certainteed.com

#### 3. PRODUCT DESCRIPTION

**Basic Use:** The OPTIMA® system of fiber glass blow-in insulation is designed for installation in sidewalls, cathedral ceilings, floored attics and other closed cavity applications. It is pneumatically installed behind non-woven OPTIMA fabric (or equivalent).

This product is approved for use in the Blow-In-Blanket® System (BIBS®). OPTIMA fiber glass blowing insulation is used in residential and commercial construction as a thermal and acoustical insulation.

**Composition and Materials:** An unbonded, white, loose-fill virgin fiber glass insulation designed for pneumatic application.

**Limitations:** The product is designed for use at ambient temperatures in interior (weather protected) construction. Pneumatic equipment must have an effective shredding section, a uniform control feed system and adequate material/air flow capabilities. Product should be kept dry during shipping, storage and installation. Not to be used for open blow applications.

#### 4. TECHNICAL DATA

##### Applicable Standards:

- Model Building Codes including BOCA, ICBO AND SBCCI
- New York City—MEA 218-85M
- New York State—NYS UFPBC Article 15
- California and Minnesota Quality Standards
- ASTM C 764—Complies with Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation, as a Type I material.

##### Fire Resistance:

- Fire Hazard Classification:
  - (UL 723, ASTM E 84)  
Max. Flame Spread Index; 5  
Max. Smoke Dev. Index; 5
- Noncombustibility:
  - (ASTM E 136)  
Meets requirements

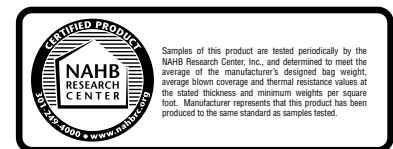
##### Physical/Chemical Properties:

- Thermal Performance:
  - (ASTM C 687) The stated R-values in the closed cavity, sidewall, cathedral ceiling and floored attic charts on the back of this sheet are achieved at weights and coverages specified when insulation is installed with pneumatic equipment in accordance with CertainTeed recommendations. See tables on back page.

**Sound Transmission Loss:** The same STC ratings obtained with fiber glass blanket insulation can be estimated for OPTIMA®. Request CertainTeed's "Sound Control" guide (30-28-008), for more information on the subject.



**Quality Assurance:** CertainTeed participates in the NAHB Research Center Certification and Labeling Program. CertainTeed was the first fiber glass insulation manufacturer to have its manufacturing plants, R&D center and corporate headquarters registered to ISO 9001-2000 standards.



#### 5. INSTALLATION

Installation procedures and techniques must be as recommended by CertainTeed Corporation, using blowing machines approved for fiber glass insulation. Refer to OPTIMA Installation Guide (30-24-223).

#### 6. AVAILABILITY AND COST

Distributed and sold throughout the United States. For availability and cost contact your local contractor or distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990.

## 7. WARRANTY

Refer to CertainTeed's Lifetime Limited Insulation Warranty for OPTIMA (30-24-271).

## 8. MAINTENANCE

No maintenance required.

## 9. TECHNICAL SERVICES

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

## 10. FILING SYSTEMS

- Sweet's Catalog File 07210/CER
- CertainTeed Pub. No. 30-29-013
- Additional product information is available upon request.

### Thermal Performance

OPTIMA® Loose Fill Insulation is manufactured for closed cavity application installed behind OPTIMA Fabric or equivalent. It should not be used for open blow applications. Coverages are based on a nominal 28 lb. bag weight.

#### BIBS, Sidewalls, Cathedral Ceilings and other closed cavities that are compression filled.

Thickness Inches	R-value	Density Lbs. Per Cu. Ft.	Minimum Weight Lbs. Per Sq. Ft.	Bags Per 1,000 Sq. Ft.	Maximum Sq. Ft. Coverage Per Bag
3 1/2" (2x4)	15	1.8	0.525	18.8	53
5 1/2" (2x6)	23	1.8	0.825	29.5	34
7 1/4" (2x8)	30	1.8	1.088	38.8	26
9 1/4" (2x10)	39	1.8	1.388	49.6	20
11 1/4" (2x12)	47	1.8	1.688	60.3	17
13 1/4" (2x14)	56	1.8	1.988	71.0	14

#### Floored Attics—Closed Cavities that are not compression filled.

Thickness Inches	R-value	Density Lbs. Per Cu. Ft.	Minimum Weight Lbs. Per Sq. Ft.	Bags Per 1,000 Sq. Ft.	Maximum Sq. Ft. Coverage Per Bag
3 1/2" (2x4)	12	1.0	0.292	10.4	96
3 1/2" (2x4)	13	1.2	0.350	12.5	80
3 1/2" (2x4)	14	1.4	0.408	14.6	69
3 1/2" (2x4)	14	1.6	0.467	16.7	60
5 1/2" (2x6)	19	1.0	0.458	16.4	61
5 1/2" (2x6)	21	1.2	0.550	19.6	51
5 1/2" (2x6)	22	1.4	0.642	22.9	44
5 1/2" (2x6)	22	1.6	0.733	26.2	38
7 1/4" (2x8)	26	1.0	0.604	21.6	46
7 1/4" (2x8)	27	1.2	0.725	25.9	39
7 1/4" (2x8)	29	1.4	0.846	30.2	33
7 1/4" (2x8)	30	1.6	0.967	34.5	29
9 1/4" (2x10)	33	1.0	0.771	27.8	36
9 1/4" (2x10)	35	1.2	0.925	33.0	30
9 1/4" (2x10)	36	1.4	1.079	38.5	26
9 1/4" (2x10)	38	1.6	1.233	44.0	23

R-values are determined in accordance with ASTM C 687. Complies with ASTM C 764 as Type 1 insulation. "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 the insulation is installed properly following the recommendations of CertainTeed Corporation.



**CertainTeed**

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