



PURE SAFETY® HIGH PERFORMANCE INSULATION



Features

- Certified asthma & allergy friendly™
- Up to 65% less dust
- Mold & mildew resistant
- Fire resistant
- Up to 50% reduction in noise levels
- Complies with ICC code – all types
- Non-combustible
- Smolder resistant
- Handles, installs and cuts easily
- Friction fits & will not slump in wall cavities
- Excellent stiffness & recovery characteristics
- Dimensionally stable
- Durable
- Single 93" and 96" batts to fill 8ft wall cavities
- Non-corrosive to steel, copper, and aluminum

Standards, Codes Compliance

Pure Safety® insulation is manufactured in compliance with ASTM Standard Specification C665 and is classified noncombustible per ASTM E136. The thermal resistance values of Pure Safety® insulation High Performance Insulation were tested in accordance to ASTM C518; R-value for insulation.

Pure Safety® insulation is a high performance fiberglass building insulation designed to contribute to a safe and healthy home.

Asthma & allergy friendly™

Approved by the asthma & allergy friendly™ Certification Program, Pure Safety® insulation is the first building insulation of its kind to be scientifically tested and identified as a consumer product that is more suitable for people with asthma and allergies

Air Quality

Pure Safety® insulation is UL GREENGUARD GOLD Certified for its low VOC emissions and is UL Validated Formaldehyde Free

Noise Control

Designed to achieve superior sound absorption and noise control properties, Pure Safety® insulation, has been tested in accordance to ASTM C423 for sound absorption and ASTM E90 for the control of noise

Thermal Control

Pure Safety® insulation helps reduce your home's energy cost*

*Savings vary. Find out why in the sellers fact sheet on R-values. Higher R-values mean greater insulating power.

Fire Resistance¹

Formulated and fire tested to be fire resistant, the Surface Burning Characteristics of Pure Safety® insulation when tested in accordance to ASTM E84 achieves the lowest Flame Spread and Smoke Development ratings possible: 0/0

Sound Absorption Coefficients for Pure Safety® Insulation and Conventional Acoustic Sound Batts

ACOUSTICAL SOUND ABSORPTION COEFFICIENTS -ASTM C423 SOUND ABSORPTION COEFFICIENTS BY FREQUENCIES (HZ)

Insulations	250	500	1000	2000	4000	NRC
Pure Safety® R-15 (3 ¹ / ₂ " ²)	1.18	1.28	1.15	1.12	1.16	1.20
Pure Safety® R-21 (5 ¹ / ₂ " ²)	1.15	1.20	1.18	1.15	1.12	1.20
Pure Safety® R-30 (7 ³ / ₄ " ²)	1.31	1.19	1.15	1.13	1.17	1.20
Pure Safety® R-38 (10 ¹ / ₄ " ²)	1.27	1.20	1.15	1.12	1.16	1.20

Availability

R-VALUE	BAG COVERAGE	BATT SIZE
R-15	48.4 sq ft./bag 53.3 sq ft./bag 80.0 sq ft./bag	15" width x 93" length 16" width x 96" length 24" width x 96" length
R-21	48.4 sq ft./bag	15" width x 93" length
R-30	37.3 sq ft./bag 56.0 sq ft./bag	16" width x 48" length 24" width x 48" length
R-38	37.3 sq ft./bag 56.0 sq ft./bag	16" width x 48" length 24" width x 48" length

1. The surface burning characteristics of Pure Safety® insulation were tested in accordance to ASTM E84. This standard is used solely to measure and describe properties of products in response to heat and flame under controlled laboratory conditions, and should not be used to describe or approve the fire hazard or materials under actual fire conditions. However, the results of these tests may be used as elements of a fire risk assessment that takes into account all of the factors pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest five rating.

Technical Data

PERFORMANCE ATTRIBUTE	CLASSIFICATION/TEST METHOD	NOMINAL VALUE/RESULTS															
Air quality	Asthma & Allergy Foundation of America, Allergy Standards, Ltd. Certification standard for building insulation	Certified (Pass)															
Surface burning characteristics	ASTM E84	Flame Spread: 0 Smoke Development: 0 (Class A Fire Rated)															
Noise control - sound absorption	ASTM C423	R-15 (3 1/2") NRC: 1.20 R-21 (5 1/2") NRC: 1.20 R-30 (7 3/4") NRC: 1.20 R-38 (10 1/4") NRC: 1.20															
Noise Control - Sound Noise Control - Sound Building Partitions	ASTM E-90 Transmission Loss	Wall Construction: Single Layer 5/8" Type X Gypsum-Both Sides, 16" o.c. wood framing, Pure Safety Insulation, Resilient Channels 24" o.c. <table border="0"> <tr> <td></td> <td>Wall</td> <td>Attic</td> </tr> <tr> <td>R-15 (2x4 wd framing)</td> <td>STC-49</td> <td></td> </tr> <tr> <td>R-21 (2x6 wd framing)</td> <td>STC-53</td> <td></td> </tr> <tr> <td>R-30 (2x8 wd framing)</td> <td></td> <td>STC-55</td> </tr> <tr> <td>R-38 (2x8 wd framing)</td> <td></td> <td>STC-54</td> </tr> </table>		Wall	Attic	R-15 (2x4 wd framing)	STC-49		R-21 (2x6 wd framing)	STC-53		R-30 (2x8 wd framing)		STC-55	R-38 (2x8 wd framing)		STC-54
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Building code construction classification	ICC (IBC/IRC)	All types															
Test method to determine combustibility	ASTM E136	Non-combustible (pass)															
Smolder resistance	CAN/ULC S129	Pass															
Mold resistance testing	ASTM C1338	No Mold Growth (pass)															
Thermal resistance	ASTM C518	R-15, R-21, R-30, R-38															
Corrosion	ASTM C665 (Steel, Copper, Aluminum)	Non-corrosive (pass)															

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.owenscorning.com.

Certifications and Sustainable Features

- Certified asthma & allergy friendly™ by the Asthma and Allergy Foundation of America
- Verified by SCS Global to contain an average 65% with minimum 47% Post-Consumer and Balance 18% Pre-Consumer Recycled Glass Content
- UL Environment GreenGuard Gold Certified
GREENGUARD Gold Certified products are certified to GREENGUARD Gold standards for low chemical emissions into indoor air during product usage, and are qualified for use in environments such as schools and healthcare facilities. For more information, visit ul.com/gg
- UL Environment validated Formaldehyde-Free. For more information, visit ul.com/ecv
- Certified by USDA BioPreferred® program for biobased content of 98%



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Notes

Fiberglass products may cause temporary skin and mucous membranes itching due to the mechanical abrasion effects of fibers, a condition which is completely reversible. Owens Corning does not recommend the use of Pure Safety® insulation in exposed applications where it will be subject to routine human contact due to this potential temporary irritation.

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>



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