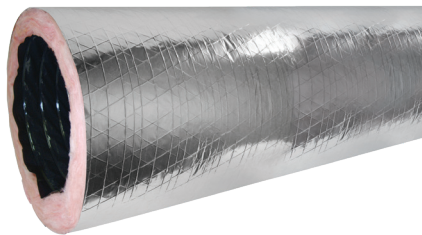




# ECOTOUCH<sup>®</sup> INSULATION FOR FLEXIBLE DUCT ENGINEERED, PROVEN PERFORMANCE



Owens Corning<sup>®</sup> EcoTouch<sup>®</sup> Insulation for Flexible Duct is a lightweight, flexible, resilient thermal and acoustical insulation made of inorganic glass fibers bonded with a thermosetting resin.

## ECOTOUCH<sup>®</sup> INSULATION FOR FLEXIBLE DUCT

- Reduces equipment and air movement noise
- Excellent thermal performance
- Compression packaging speeds job site handling and installation
- Easy fabrication
- Made in the U.S.A.

### Physical Properties

| PROPERTY   | TEST METHOD             | VALUE                                       |
|--|-------------------------|---|
| Thermal conductivity (k)<br>(Btu • in/ft <sup>2</sup> • hr • °F) @ 75°F mean temperature | ASTM C177               | 0.29  |
| Fire hazard classification <sup>1</sup>  | UL 723<br>ASTM E84      | Flame Spread ≤ 25<br>Smoke Development ≤ 50 |
| Mold resistance  | UL 181                  | Meets requirements                          |
| Noise reduction coefficient  | ASTM C423<br>Mounting A | 0.65  |

1. The surface burning characteristics of this product have been determined in accordance with UL 723 (ASTM E84). This standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest five rating.

### Product Applications

EcoTouch<sup>®</sup> Insulation for Flexible Duct is the insulation material designed specifically for use by manufacturers of flexible air ducts. Its resiliency allows it to be shaped around small diameter cores smoothly and without buckling.

EcoTouch<sup>®</sup> Insulation for Flexible Duct is intended to be wrapped around an inner core and held in place by an external jacketing material. Best thermal performance at all air velocities is provided by an impervious inner air barrier film.

### Availability

| DIMENSIONS         | R-VALUE                                 | OUT OF PACKAGE  | MIN. INSTALLED USE | INSTALLED K-VALUE |
|--------------------|---|-----------------|--------------------|-------------------|
| Thickness (inches) | R 4.2                                   | 1¼"             | 1⅛"                | 0.26              |
|                    | R 6                                     | 2"              | 1⅝"                | 0.27              |
|                    | R 8                                     | 2⅜"             | 2¼"                | 0.28              |
|                    | R 13 <sup>1</sup>                       | 4"              | 3¾"                | 0.28              |
| Standard widths    | Available for each duct size by R value |                 |                    |                   |
| Length (feet)      | R 4.2                                   | 300' (2 x 150)' |                    |                   |
|                    | R 6                                     | 250' (2 x 125)' |                    |                   |
|                    | R 8                                     | 200' (2 x 100)' |                    |                   |
|                    | R 13 <sup>1</sup>                       | 125'            |                    |                   |
| Packaging          | Compression packaged                    |                 |                    |                   |

1. To achieve R13, use two layers of R6

## Technical Information

- Owens Corning recommends that EcoTouch® Insulation for Flexible Duct be held in compressed roll form for no more than six (6) months from production date to achieve optimal performance
- While EcoTouch® Insulation for Flexible Duct carries the UL recognized component label for air ducts, this does not guarantee that the finished flexible duct composite product will meet UL 181 air duct material requirements for such a product. EcoTouch® Insulation for Flexible Duct is a component of a product, and UL 181 measures the performance of the complete assembly
- To meet thermal and performance properties of the finished duct, Owens Corning recommends that the ducts be packaged in a length compression less than a 12:1 ratio

## Standards, Codes Compliance

Complies with the property requirements of ASTM C553, Type I

## 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](http://www.owenscorning.com).

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

## Disclaimer of Liability

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LEED® is a registered trademark of the U.S. Green Building Council.

## Certifications and Sustainable Features

- Certified by SCS Global Services to contain an Average 53% with Minimum 22% Post-Consumer and Balance 31% Pre-Consumer Recycled Glass Content
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg)
- Environmental Product Declaration (EPD) has been certified by UL Environment
- Gold Level Material Health Certificate from Cradle to Cradle Products Innovation Institute
- Validated Formaldehyde-free<sup>1</sup>
- Certified as made with 100% wind-powered electricity by SCS Global Services

1. Applies to the insulation component only.



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