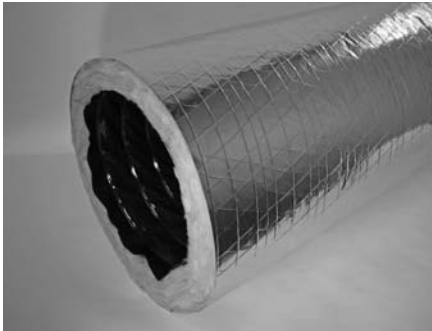


Product Data Sheet



Description

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

Key Features

- Easy to handle.
- Consistently meets UL-I81 test requirements.
- Made in the U.S.A.
- Formaldehyde-free¹.
- Made with 99% natural² materials—not acrylic.
- Excellent recovery provides outstanding thermal and acoustical performance.
- GREENGUARD Children & Schools CertifiedSM.
- High recycled content—minimum 57%.
- EcoTouch[®] insulation is the only fiberglass insulation product listed in the USDA BioPreferredSM Catalog.

1. Applies to the insulation component only.
2. Unfaced insulation made with a minimum of 99% by weight natural materials consisting of minerals and plant-based compounds.

Features and Related Benefits

Thermally efficient	You are assured desired thermal performance with Owens Corning [™] EcoTouch [®] Insulation for Flexible Duct.
Excellent sound absorption	Owens Corning [™] EcoTouch [®] Insulation for Flexible Duct reduces equipment and air movement noise.
Easy fabrication	Owens Corning [™] EcoTouch [®] Insulation for Flexible Duct stands up to handling and fabrication without pulling apart, making processing easier and faster.
UL labeled	Every unit of Owens Corning [™] EcoTouch [®] Insulation for Flexible Duct carries the Underwriters Laboratories (UL) recognized component label and has a flame spread rating of 25 and a smoke developed rating of 50.
Compression packaging	Easy to handle and saves valuable storage space. More material can be shipped and stored in less space.

Performance and Physical Properties

Property (units)	Test Method	Specification	Tolerance
Thermal Conductivity (k) (Btu • in/ft ² • hr • °F) @ 75°F mean temperature	ASTM C177	0.29	+10%
Fire Hazard Classification ¹	UL 723 ASTM E84	FHC 25/50	
Mold Resistance	UL I81	Meets Requirements	
Noise Reduction Coefficient	ASTM C423 Mounting A	0.65	±0.05

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.

Availability

Dimensions	R-Value	Out of Package	Min. Installed Use
Thickness (inches)	R 4.2	1¼" + ⅜" - 0	1⅛"
	R 6	2" + ⅜" - 0	1¾"
	R 8	2¾" + ⅜" - 0	2¼"
Standard widths	Available for each duct size by R value		
Length (feet)	R 4.2	150' + 12" - 0	
	R 6	125' + 12" - 0	
	R 8	100' + 12" - 0	
Packaging	Compression packaged, open end rolls		

Product Applications

Owens Corning[™] EcoTouch[®] 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.

Owens Corning[™] EcoTouch[®] 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. This film also acts to keep the insulation out of the air stream, reducing the possibility of further air friction loss.

Technical Information

Owens Corning recommends that Owens Corning[™] EcoTouch[®] Insulation for Flexible Duct be held in compressed roll form for no more than six (6) months from production date.



EcoTouch® Insulation for Flexible Duct

Product Data Sheet

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 all components in the finished product.

To meet thermal properties of the Finished Flex Duct, Owens Corning recommends that the ducts be packaged in a length compression less than a 12:1 ratio.

Standards, Codes Compliance

- Owens Corning™ EcoTouch® Insulation for Flexible Duct complies with the property requirements of ASTM C553, Type I

Certifications and Sustainable Features of EcoTouch® Insulation for Flexible Duct

- Certified by Scientific Certification Systems to contain a minimum of 57% recycled glass content
- Certified to meet indoor air quality standards under the stringent GREENGUARD Indoor Air Quality Certification ProgramSM, and the GREENGUARD Children & Schools Certification ProgramSM

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.sustainability.owenscorning.com.

Disclaimer of Liability

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Scientific Certification Systems (SCS) provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.scs-certified.com.

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.



SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-02066



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