



INNOVATIONS FOR LIVING™

# MECHANICAL AND AIR HANDLING INSULATIONS

## HELPING YOU ACHIEVE LEED CERTIFICATION

Owens Corning mechanical and air handling insulation products help improve sound quality, thermal, and moisture performance of mechanical systems used in buildings and industrial applications.

LEED certification points are based on the overall building design concept and performance. Owens Corning mechanical and air handling insulation products assist in attaining points for the categories listed in Table I. All components referring to a given category must be taken into consideration to assess point compliance.

### Owens Corning Mechanical and Air Handling Insulation Products

- SOFTR® All Service FIBERGLAS® Duct Wrap
- QuietR™ Acoustic Duct Liner
- EnDuraGold® FIBERGLAS® Duct Board
- FIBERGLAS® Duct Liner Board
- FIBERGLAS® SSL II® Pipe Insulation
- VaporWick® Pipe Insulation
- PipeShield FIBERGLAS® Pipe Insulation
- FIBERGLAS® 700 Series
- FIBERGLAS® FLEXWRAP®
- FIBERGLAS® Pipe and Tank Insulation

**Table I**

Contribution to LEED Requirement

LEED Credit Category	LEED Requirement	LEED Point Contribution	Additional Comments
Energy & Atmosphere— Optimize Energy Performance	2-10 points depending on percent reduction in energy use based on ASHRAE/IESNA Standard 90.1-1999	Insulation significantly helps reduce building energy usage. Overall contribution dependent on thickness and application.	Project team responsible for conducting energy analysis to determine overall building energy efficiency.
Material & Resource— Recycled Content	0-2 points dependent on cost-weighted aggregate recycled content of all building materials.	Glass fiber insulation products contain 29% post-industrial and 7 post-consumer recycled content (36% total recycled content).	Recycled content certification by Scientific Certifications Systems: <a href="http://www.scs-certified.com">www.scs-certified.com</a> . Additional verification can be found at: <a href="http://www.ciwmb.ca.gov/rcp">www.ciwmb.ca.gov/rcp</a>
Material & Resource— Local/Regional Materials	1-2 points dependent on 20% of all materials manufactured within 500 mile radius of project. Additional point if 50% of materials are extracted, harvested, or recovered within 500 miles.	2 U.S. manufacturing plants help provide contribution to category points. Potential for extraction credits depend on specific products.	Check with local sales representative, and refer to Fig 1, to determine product place of origin.
Innovation & Design Process	1-5 points dependent on effectiveness of innovation being applied	VaporWick® pipe insulation can improve overall system performance by managing condensation on chilled water piping.	Check with local sales representative for product applications.

Note: No individual material enables a credit point to be taken within LEED because each category is dependent on the aggregate of all materials and their proportionate relationship to the total dollar cost of all materials.

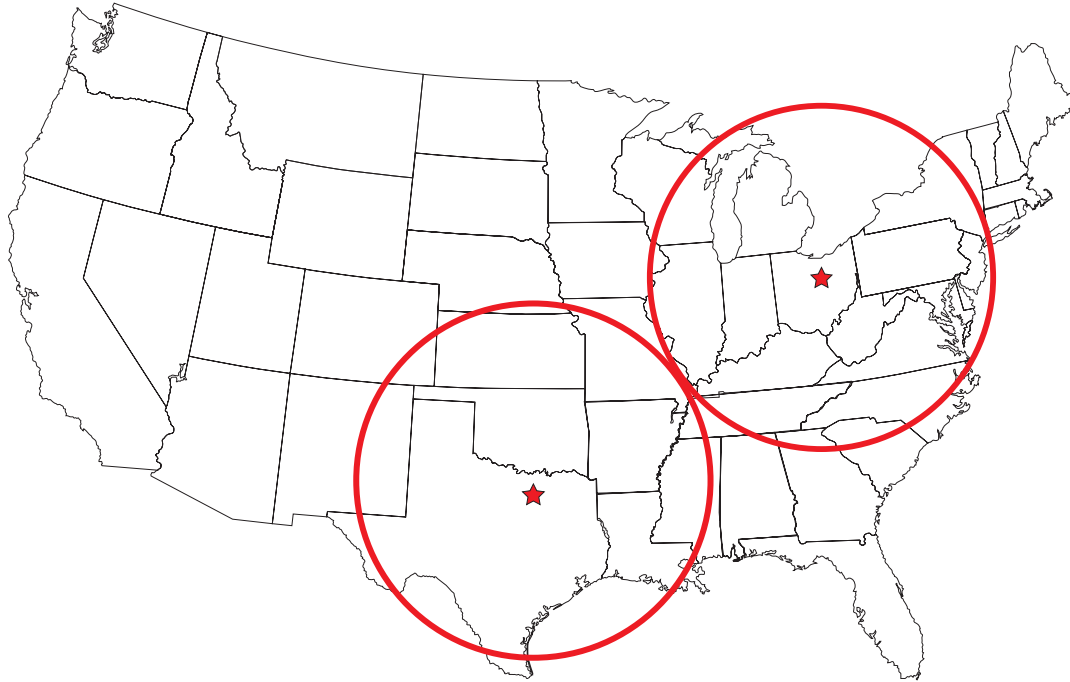


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Figure 1

Owens Corning Mechanical and Air Handling Insulation Plant Locations



Waxahachie, TX

Newark, OH



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