



Owens Corning™ Thermafiber® Insulation

HELPING YOU ACHIEVE LEED® CERTIFICATION



Owens Corning™ Thermafiber® insulation products help improve thermal performance, moisture control, and sound quality in commercial buildings. This document applies to the LEED® New Construction and Major Renovations, LEED® Commercial Interiors, LEED® Core & Shell, LEED® for Schools and LEED® for Existing Buildings, Operations & Maintenance products. As you pursue LEED® Certification, rely on the products and expertise of Owens Corning™.

LEED® Certification and the awarding of credits, is based on the overall project design, properly designed building systems and assemblies, and the performance of the project as a whole. Owens Corning™ Thermafiber® Insulation Products can be a component of many of these systems and assemblies, with all components within those systems and assemblies considered to assess compliance with the LEED® Rating System used for certification within a given category. Owens Corning™ Thermafiber® Insulation Products contribute to the categories listed below.

Owens Corning™ Thermafiber® Insulation Products:

- FireSpan®
- VersaBoard®
- RainBarrier® HD
- RainBarrier® 45
- Safing™
- SAFB™ (Sound Attenuation Fire Blankets)
- FixtureShield®
- UltraBatt™
- SoundZero®
- TopStop®
- FireLedge®

LEED® Credits Thermafiber® LEED® 2009 Credits Guide (Chart continued on next page)

LEED® Category	Thermafiber® Contribution	Point Contribution		
		NC*	CS*	Schools
Energy and Atmosphere Optimize Energy Performance Credit 1 Please note: Thermafiber® Insulation is only one component of the building envelope. Points are awarded based on energy efficiency above ANSI/ASHRAE/IESNA Standard 90.1-2007.	Thermafiber® insulation reduces the transfer of heat (and cold) through building structures and envelopes by providing high thermal resistance. Thermafiber® insulation reduces energy use in buildings resulting in a reduction in CO ₂ emissions.	1 to 19 Possible Points	3 to 21 Possible Points	1 to 19 Possible Points
Materials and Resources Construction Waste Management - Credits 2.1 and 2.2 50% recycled or salvaged- 1 point 75% recycled or salvaged- 1 additional point	Thermafiber® insulation products can be diverted from the waste stream by removing undamaged material and re-installing it in new projects. Please refer to Thermafiber® product specifications for recommended storage and installation of materials.	1 to 2 Possible Points	1 to 2 Possible Points	1 to 2 Possible Points
Materials Reuse - Credits 3.1 and 3.2 5% reused materials- 1 point 10% reused materials- 1 additional point	Thermafiber® material can be removed from demolition projects and reused in new construction. Please refer to Thermafiber® product specifications for recommended storage and installation of materials.	1 to 2 Possible Points	1 to 2 Possible Points	1 to 2 Possible Points
Recycled Materials - Credits 4.1 and 4.2 10% reused materials- 1 point 20% reused materials- 1 additional point	Thermafiber® offers one of the highest recycled contents of any glass fiber or mineral wool insulation. Pre-consumer recycled contents up to 90% depending on product type.	1 to 2 Possible Points	1 to 2 Possible Points	1 to 2 Possible Points
Regional Materials - Credits 5.1 and 5.2 10% regional materials- 1 point 20% regional materials- 1 additional point	Thermafiber®, centrally located in the Midwest, extracts raw materials and manufactures products in close proximity to many projects. Go to www.thermafiber.com for our LEED® Calculator to determine projects that qualify for these credits.	1 to 2 Possible Points	1 to 2 Possible Points	1 to 2 Possible Points

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<p>Enhanced Acoustical Performance- Credit 9</p>	<p>Thermafiber® products absorb noise passing between floors and walls and provide STCs that improve the indoor environmental quality for building occupants.</p>	<p>N/A</p>	<p>N/A</p>	<p>1 Possible Point</p>
<p>Innovation in Design Credit 1</p>	<p>Thermafiber® products allow LEED® design teams the opportunity to achieve exceptional performance above the requirements set by the LEED® rating system. Thermafiber® products offer superior acoustical and fire performance characteristics that are not specifically addressed by the LEED® rating system.</p>	<p>1 to 5 Possible Points</p>	<p>N/A Possible Points</p>	<p>1 to 4 Possible Points</p>

LEED® is a registered trademark of the USGBC

Figure 1

Owens Corning™ Thermafiber® Insulation Plant Locations



To view other Owens Corning™ products that help contribute to LEED® certification please visit <http://sustainability.owenscorning.com/> and download Pub. No. 10011611.



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