



Job of the Month

The Geer Residence - LEED® Platinum

Edina, Minnesota

Brad and Kristin Geer of Edina, Minnesota had nothing but *green* on their minds when they decided to design and build their first house. Their goal: Achieve LEED® Platinum Certification by building an upscale, contemporary home that would exemplify sustainable design and energy efficiency.

Viewers in Minnesota and Iowa watched as the home was designed and built with energy efficient and recycled materials, renewable energy systems and healthy home practices on the weekly television documentary, “Blue Print for Green”. By incorporating only green building materials



in their home, the Geer’s achieved Platinum LEED® certification.

Hacker Industries, Inc.’s Licensed Applicator, **KMAC, Inc.** of Hutchinson, Minnesota, worked with the Geer’s to provide the *green* flooring solution. “As soon as we heard the Geer’s were only utilizing green building products in every

aspect of their new home, we recommended Hacker Industries, Inc.’s **Hacker Sound Mat II** and **GYP-SPAN® Radiant Floor Underlayment**”, said Scott Ryan, KMAC’s sales manager.

“The Geer’s were very interested in utilizing **Hacker Sound Mat II** not only for its exceptional sound control, but also for its recycled content.” Composed of recycled rubber tires, **Hacker Sound Mat II** fit perfectly into their vision of creating a green environment, added Ryan. The **KMAC, Inc.** crew installed **Hacker Sound Mat II** on the first and second floors of the home.

To provide comfort and even heat distribution throughout the 4,400-square-foot custom home, while contributing to valuable LEED® points, a radiant floor heating system with Hacker Industries, Inc.’s

GYP-SPAN® Radiant was installed. To hold the Uponor hydronic radiant heat tubes in place, a Viega Snap Panel was installed directly over the **Hacker Sound Mat II**. After the radiant heat tubes were



put in, KMAC poured **GYP-SPAN® Radiant** at ¾” above the tubes (average 1-1/2” thickness), providing a thermal mass substrate for evenly heated, comfortable floors. **GYP-SPAN® Radiant** is specially designed to encase the tubes to capture the heat and deliver it above the subfloor, where it is needed most – especially during cold Minnesota winters.

Job Highlights

Project:	Geer Residence
General Contractor:	Choice Wood Company
Architect:	RKD Architects
Floor Assembly:	Wood Subfloor/Radiant Heat
Square Footage:	4,400 square feet
Application:	GYP-SPAN® Radiant and Hacker Sound Mat II
Applicator:	KMAC, Inc.



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Installing a radiant heat floor system utilizing **GYP-SPAN® Radiant** creates a more energy-efficient home and produces a healthier, cleaner environment since it eliminates the need for a conventional forced air system.

KMAC, Inc. and Hacker Industries, Inc.'s **GYP-SPAN® Radiant** and **Hacker Sound Mat II** delivered exactly what the Geer's wanted in their custom home - quiet, warm, and eco-friendly floors.



KMAC, Inc. has enjoyed a 25-year relationship with Hacker Industries, Inc. as an Licensed Applicator of Hacker Floor Underlayments in a widespread territory covering Minnesota, Iowa, North Dakota

and neighboring Wisconsin. KMAC is a member of numerous Builders Exchanges and they belong to the Plumbing Heating Cooling Contractors of South Dakota, Radiant Panel Association, AIA, and the Construction Specifiers Institute (CSI). They also have an office in Charlotte, North Carolina - KMAC of the Carolinas. For more information on KMAC, Inc., contact Scott Ryan at (320) 587-9697 or visit www.kmacmn.com.

About Hacker Industries, Inc.

Hacker Industries, Inc.'s line of cementitious floor underlayments and sound control mats lead the industry in reliability and customer satisfaction. With 27 years experience and over two billion square feet installed nationwide, Hacker Floor Underlayments are the ideal choice over wood, corrugated steel deck or concrete subfloors. Hacker Floor Underlayments provide exceptional compressive strengths matched with superior acoustical and fire resistance properties ready for virtually any finished floor covering. All FIRM-FILL® Brand Gypsum Concrete Floor Underlayments and Hacker Sound Mat II contribute to points for LEED® project certification.

Features & Benefits

GYP-SPAN® Radiant

- Compressive strengths up to 3200 psi
- Fast setting; light traffic can return in 90 minutes
- Over 86 UL listings; ICC-ES Legacy Report
- Can be poured before or after drywall, as specified
- Increases STC (sound transmission class) ratings
- Meets and exceeds ASTM F2419 and TCNA
- Creates a smooth, flat surface for floor coverings
- Only available from trained, Licensed Applicators
- Delivers uniform heat transfer without hotspots or shrinkage cracks
- Helps seal each room perimeter for increased energy efficiency.

Hacker Sound Mat II

- Use between floors for noise reduction
- Increases STC and IIC ratings
- Available in rolls for ease of installation
- Over 86 UL listings; ICC-ES ER-4147
- Use with FIRM-FILL® Brand Gypsum Concretes
- Made of recycled rubber for valuable LEED Credits
- System rated for light commercial and residential use; per ASTM C627-93
- 1/4" thickness for minimal floor transitions



GYP-SPAN® Radiant and Hacker Sound Mat II contribute to valuable points towards LEED Certification.

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