

**SUPPLYING THE BUILDING INDUSTRY
SOUND RATED, FIRE RESISTANT
AND DURABLE CEMENTITIOUS
FLOOR UNDERLAYMENTS
FOR OVER 25 YEARS**



**TWO BILLION SQUARE FEET
INSTALLED NATIONWIDE IN
RESIDENTIAL, COMMERCIAL AND
MULTI-FAMILY PROJECTS**

Firm-Fill[®]
Gypsum Concretes

Gyp-Span[®]
Radiant



Let Our Products FLOOR You®



Why specify poured gypsum concrete? Poured gypsum concretes are an optimal blend of strength and finish. Gypsum concrete floor underlayments provide a smooth, hard surface for finished floor coverings while offering exceptional compressive strengths matched with superior acoustical and fire resistant properties.

Hacker Industries, Inc.'s line of FIRM-FILL® Gypsum Concretes, GYP-SPAN® Radiant, and resilient sound control mats lead the industry in reliability and customer satisfaction in new construction, renovation and repair projects. Ideal for commercial, single-family and multi-family construction, Hacker Floor Underlayments are available nationwide from a network of trained, Licensed Applicators to ensure consistency in performance and quality.

Premium Products

FIRM-FILL® Gypsum Concrete

Flagship product for application in multi-family housing for sound and fire-ratings; 1200 to 2000 psi (8.3 to 13.8 MPa).

FIRM-FILL® 2010

For use over wood subfloors to provide additional surface hardness; 1600 to 2500 psi (11.0 to 17.2 MPa).

FIRM-FILL® 3310

Specially designed to decrease the amount of water used; offers a quicker drying time without compromising the rock-solid floor strength; 2000 to 3300 psi (13.8 to 22.8 MPa).

FIRM-FILL® High Strength

Resurfaces cracked or damaged concrete with outstanding bonding characteristics; 2500 to 3800 psi (17.2 to 26.2 MPa).

FIRM-FILL® 4010

An exceptionally durable cementitious underlayment for thin capping of concrete on projects requiring the highest compressive strength; up to 5500 psi (37.9 MPa).

GYP-SPAN® Radiant

Efficient thermal mass for even distribution of heat without hot spots, air bubbles or shrinkage cracks; 2000 to 3200 psi (13.8 to 22.1 MPa).

HACKER SOUND MAT II

Designed to reduce sound transmission in multi-family projects, commercial buildings and custom homes. Provides a quieter environment by improving STC and IIC ratings.

FIRM-FILL® CMD

For light-gauge steel frame construction with a corrugated galvanized steel deck. Lightweight, cost-effective solution to build higher and faster; minimum 3500 psi (24.1 MPa).

Please contact us for information on our self-leveling, Portland cement-based underlayment TRUE-SCREED® CLU for fast-track renovation projects; up to 6000 psi (41.4 MPa).



 Denotes products that assist with LEED® credit areas. Available from select plant locations.

System Benefits

- Integral part of 1 to 4 hour floor/ceiling assemblies; listed in 86 UL designs
- Level uneven or irregular subfloors

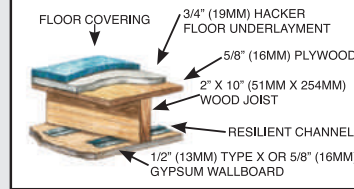


- Superior bonding characteristics
- Available throughout North America
- Methods listed in the TCA Handbook

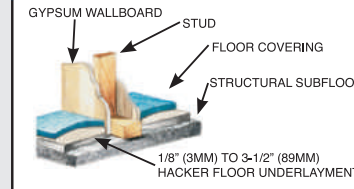
- Over corrugated galvanized steel deck, wood, concrete and radiant heat systems
- No double-plating required and decreased dead loads; stiffens subfloors
- Strong, long-lasting surface for virtually all types of finished floor coverings
- Flamespread Index 0; Fuel Contribution 0; Smoke Density 0; per ASTM E-84
- Mixed and pumped in place on the job site; up to 40,000 sq. ft. installed per day
- Surface can be walked on in 90-minutes; ready for the next trade the following day
- Variety of thicknesses from 1/8" to 3-1/2"; can be feather edged for smooth transitions
- No shrinkage cracks; helps prevent leakage
- Specify Hacker Sound Mat II with a Hacker Floor Underlayment for optimal acoustical performance and LEED® credit areas
- Acoustical system evaluations available upon request from Hacker Industries, Inc.
- Hacker Floor Underlayments and Hacker TopCoat™ SP meet ASTM F2419
- Proven performance with two billion square feet installed across North America
- Our Products Will FLOOR You®

Floor Systems

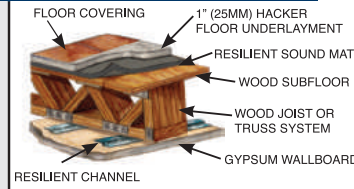
WOOD SYSTEMS



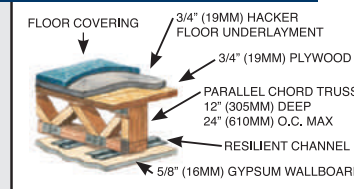
RENOVATION



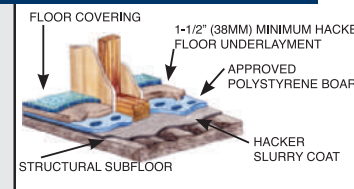
SOUND MAT SYSTEMS



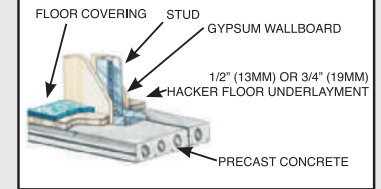
TRUSS PLATE INSTITUTE



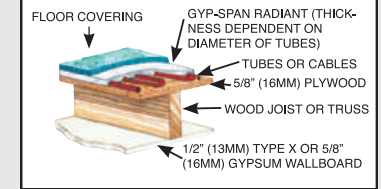
POLYSTYRENE SYSTEMS



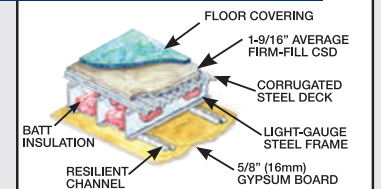
CONCRETE SYSTEMS



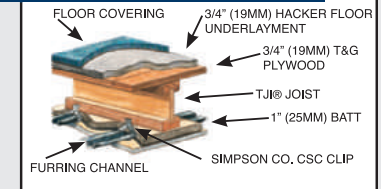
RADIANT SYSTEMS



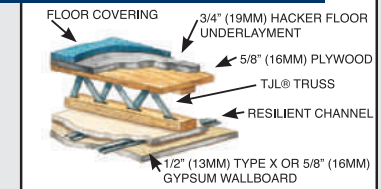
CORRUGATED STEEL DECK



TJI® JOIST



TJL® TRUSS



*Assemblies are offered as a guideline only. Please consult your design professional.

Underwriters Laboratories Design Numbers

G565	J917	J919	J920	J924	J927	J931	J957	J966
J991	J994	K906	L001	L004	L005	L006	L201	L202
L206	L208	L209	L210	L211	L212	L501	L502	L503
L504	L505	L506	L507	L508	L509	L510	L511	L512
L513	L514	L515	L516	L517	L518	L519	L520	L521
L522	L523	L524	L525	L526	L527	L528	L529	L530
L532	L533	L534	L535	L536	L537	L538	L539	L540
L541	L542	L543	L545	L546	L547	L548	L549	L550
L551	L552	L553	L555	L556	L557	L558	L559	L560
L562	L563	L571	L585	L598				

Note to Architects

These are notes for the recommended specification of Hacker Floor Underlayments in section 03 54 13 – Gypsum Cement Underlayment.. Consult specific product specifications prior to installation.

1. Supplier: Hacker Industries, Inc., Newport Beach, California.
2. Installation of Hacker Floor Underlayments shall be by a Licensed Applicator of Hacker Industries, Inc., using mixing and pumping equipment with a water meter approved by Hacker Industries, Inc.
3. Hacker Floor Underlayments are designed only for use as a non-wearing, interior surface ready for finished floor goods and shall not be installed below grade.
4. Hacker Floor Underlayments can be installed before or after the installation of drywall, as specified.
5. Before, during and after installation of Hacker Floor Underlayments the building interior shall be ventilated and heated (minimum 50°F or 10°C). The General Contractor shall provide mechanical ventilation and heat.
6. The subfloor shall be structurally sound (maximum of L/360 deflection), broom cleaned, dry, and free from oil, grease or other contaminants.
7. All cracks and voids shall be filled with a quick-setting taping, patching compound or equal where leakage could occur.
8. Before installation, the General Contractor shall test for dryness and inspect and approve the condition of the subfloor and any required elevations.
9. The minimum thickness of Hacker Floor Underlayments varies with the type of subfloor, the underlayment specified, and the individual job conditions. Over wood subfloors, a minimum of 3/4" (19mm) of Hacker Floor Underlayments is required. Over concrete, Hacker Floor Underlayments can be feather edged in transition areas and poured up to 3-1/2" (89mm). 3/4" (19mm) above radiant heat tubes or cables.
10. After installation, temporary wood planking shall be placed by the General Contractor wherever the underlayment will be subject to wheeled traffic or concentrated loads.
11. Hacker Floor Underlayments are but one component of an effective sound and fire control system. Care shall be taken in the installation of all construction components to assure the ultimate design performance.
12. Installation of Hacker Floor Underlayments over resilient sound mats shall vary with the type of mat and the floor/ceiling system. The minimum thickness shall be 1" (25mm). Consult an acoustical engineer for specific recommendations.
13. Hacker Floor Underlayments shall be tested for slump as they are being installed using a 2" (51mm) by 4" (102mm) cylinder. The patty size should be as specified in Hacker Industries, Inc.'s current specifications.
14. All testing should be done in accordance with proper ASTM procedures. Prior to independent sampling, contact Hacker Industries, Inc. to ensure proper ASTM methods are followed. If requested prior to application, test results shall be available to the architect, owner, and/or contractor from the Licensed Applicator.

Code Certification

ICC-ES Legacy Report ER-4147; City of Los Angeles Research Report No. 24540; Metropolitan Dade County, Florida No. 96-0516.03; FHA-HUD 1255.

UL Designs (see table on previous page).
UL of Canada Design Numbers L512, M505, M506, M507, M508, M509, M518.

Warranty

Hacker Industries, Inc. warrants Hacker Floor Underlayments to be free from manufacturing defects, and when properly prepared and installed according to approved specified methods, Hacker Floor Underlayments will attain minimum physical specifications as stated by Hacker Industries, Inc.'s most current literature. Hacker Industries, Inc. does not install Hacker Floor Underlayments and cannot be held responsible for the results of the application. Hacker Industries, Inc.'s obligation shall be limited to the replacement of the bagged product only and is subject to notice and inspection requirements. *This warranty is in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose and all other obligations or liabilities.*

Quality Control

Hacker Floor Underlayments are installed by Licensed Applicators who are trained by Hacker Industries, Inc. to adhere to Quality Assurance Standards, which include compressive strength testing, field quality audits, technical updates and continuing education seminars.



Hacker Industries, Inc.

1600 Corporate Plaza
Newport Beach, CA 92660 USA



FIRM-FILL, GYP-SPAN, Let Our Products FLOOR You and the associated logos are trademarks of Hacker Industries, Inc.
© 2008 Hacker Industries, Inc. - Newport Beach, CA

(800) 642-3455 Toll Free

(949) 729-3101

(800) 906-8548 Toll Free Fax

(949) 729-3108 Fax

www.HackerIndustries.com

info@HackerIndustries.com