



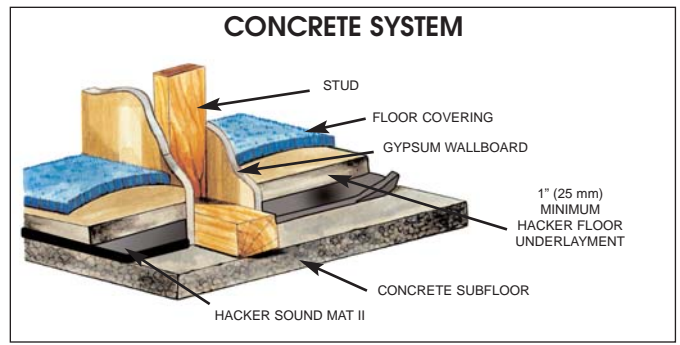
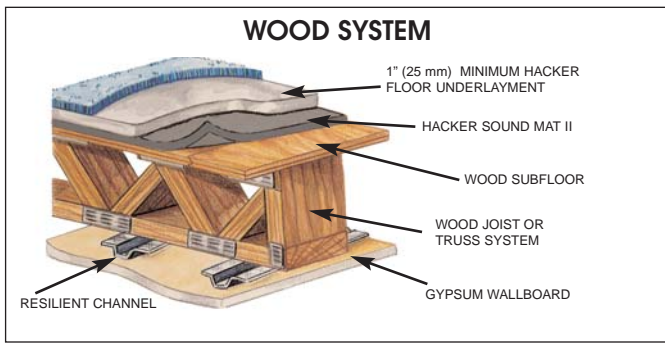
Hacker Sound Mat II

*Your problems with sound abatement
have just been solved.*

Hacker Industries, Inc. provides the solution to controlling sound transmission in multi-family projects, commercial buildings, and custom homes. Hacker Sound Mat II, a strong dimpled sound mat composed of 100 percent recycled rubber, is designed to provide a quieter environment and meet demanding project specifications.

Installed under FIRM-FILL Gypsum Concrete, FIRM-FILL 2010, FIRM-FILL 3310, FIRM-FILL High Strength, or GYP-SPAN Radiant, Hacker Sound Mat II is an integral component of a highly effective sound reduction system.

- Used in both new construction and renovation projects
- Effective under all types of floor coverings
- Reduces sound transmission; improves STC and IIC ratings
- System rated for commercial & residential use, ASTM C-627-93
- Various system thicknesses available
- Listed in over 82 UL Assemblies
- Applied by a network of highly trained, Licensed Applicators



Hacker Industries, Inc. supplies six high-quality floor underlayments for new construction, repair, and renovation projects: FIRM-FILL Gypsum Concrete, FIRM-FILL 2010, FIRM-FILL 3310, FIRM-FILL High Strength, FIRM-FILL 4010 and GYP-SPAN Radiant. For product literature on any of these products, please contact Hacker Industries, Inc.

Recommended Specifications

PART I GENERAL

- 1.1 Scope: Specify to meet project requirements
- A. Work included:
 1. **HACKER SOUND MAT II**
 2. Hacker Floor Primer
 3. Hacker Floor Underlayment
- 1.2 Qualifications
- A. **HACKER SOUND MAT II** shall be installed by Licensed Applicators of Hacker Industries, Inc.
 - B. **HACKER SOUND MAT II** shall be delivered in original, unopened rolls and protected from exposure to the elements after delivery.
 - C. Before, during, and after installation the building interior shall be ventilated and heated to a minimum of 50°F (10°C) to assure completion of the drying process for the Hacker Floor Underlayment.
 - D. All materials specified herein shall be approved by Hacker Industries, Inc.

PART II PRODUCTS

- 2.1 Materials
- A. **HACKER SOUND MAT II** by Hacker Industries, Inc.
 - B. Gypsum Concrete: **FIRM-FILL Gypsum Concretes** or **GYP-SPAN Radiant** as supplied by Hacker Industries, Inc.
 - C. Hacker Floor Primer and Sealer.
 - D. Sand: 1/8" (approx. 3mm) or less washed plaster or mortar sand meeting the requirements of Hacker Industries, Inc.'s Sand Guidelines.
 - E. Mix Water: Potable and free from impurities.

PART III EXECUTION

- 3.1 Condition of Subfloor
- A. The General Contractor is responsible for providing a structurally sound (L/360) subfloor, cleaned, and free of oil, grease or other contaminants.

- B. Before installation, the General Contractor shall inspect and approve the elevations and subfloor.
- 3.2 Preparation of Subfloor
- A. All cracks and voids shall be filled with a quick-setting taping compound to prevent leakage.
 - B. Priming: Spray one coat Hacker Primer using one gallon (approx. 3.8 L) per 500 sq. ft. (approx. 47sq.m).
- 3.3 Application of **HACKER SOUND MAT II**
- Install **HACKER SOUND MAT II** adhering to manufacturers specifications and recommendations.
- 3.4 Mix Designs
- General Requirements: Mix proportions and methods shall be in strict accordance with Hacker Floor Underlayment specifications and recommendations.
- 3.5 Underlayment Application
- A. Scheduling: Application of Hacker Floor Underlayments shall not begin until the building is enclosed. Install after drywall unless otherwise specified. If **HACKER SOUND MAT II** is to be installed before drywall, a 3.4 lb per sq. yd. galvanized metal lath shall be laid over the entire **HACKER SOUND MAT II** surface. Schedule the **HACKER SOUND MAT II** installation as late as possible in the construction schedule.
 - B. Priming: Spray a coat of Hacker Floor Primer (diluted 4:1 with water) at a rate of 400 sq. ft. per gallon over the **HACKER SOUND MAT II** prior to the underlayment application.
 - C. A 1" (approx. 25mm) minimum application of either **FIRM-FILL Gypsum Concrete**, **FIRM-FILL 2010**, **FIRM-FILL 3310**, **FIRM-FILL High Strength**, or **GYP-SPAN Radiant** must be installed over the **HACKER SOUND MAT II** according to Hacker specifications (see applicable literature for

- product Specifications).
- D. Extreme care must be taken when rolling out the hose so that the **HACKER SOUND MAT II** is not torn. Do not puncture the **HACKER SOUND MAT II**.
 - E. Drying: The General Contractor shall provide continuous ventilation and adequate heat to rapidly remove moisture from the area until the underlayment is dry. Prior to the installation of finished floor goods, the Hacker Floor Underlayment must be free of any moisture. Consult the flooring contractor for recommended procedures to test for dryness.
 - F. Hacker Floor Underlayments are suitable for interior applications only and shall be covered by a finished floor material.
- 3.6 Preparation for Installation of Floor Coverings
- A. Sealing: Any areas where the underlayment surface has been damaged shall be cleaned and sealed regardless of specified floor covering. The floor covering manufacturers' specifications and requirements supercede these recommendations.
 - B. Floor Covering Procedures: Please see Hacker Industries, Inc.'s "Guidelines for Installing Finished Floor Coverings." The guideline is not a warranty and shall be used as a guideline only.
- 3.7 Field Quality Control
- A. Slump Test: Hacker Floor Underlayment shall be tested for slump as it is being installed using a 2" by 4" (51mm by 102mm) cylinder.
 - B. Field Samples: Testing of molded cube samples shall be in accordance with ASTM: C472 modified, using split brass molds. Prior to independent sampling, contact Hacker Industries, Inc., to insure proper ASTM methods are followed.



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For the Licensed Applicator in your area, please call our toll-free number (800) 642-3455.