

# Hacker Sound Mat II Recommended Specifications

## PART I GENERAL

### 1.1 Scope - Specify to meet project requirements

- A. Work included:
  - 1. HACKER SOUND MAT II
  - 2. Hacker Floor Underlayment
  - 3. Hacker TopCoat™ SP (Surface Prep)

### 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. Install after drywall unless otherwise specified.
- D. Before, during, and after installation, the building interior must be ventilated and heated to a minimum of 50° F (10° C) to assure completion of the drying process for the Hacker Floor Underlayment.
- E. All materials specified herein shall be approved by Hacker Industries, Inc.

## PART II PRODUCTS

### 2.1 Materials

- A. HACKER SOUND MAT II supplied by Hacker Industries, Inc., Newport Beach, CA
- B. Hacker Floor Underlayment: FIRM-FILL Gypsum Concretes or GYP-SPAN Radiant supplied by Hacker Industries, Inc.
- C. Hacker TopCoat™ SP, if specified

## PART III EXECUTION

### 3.1 Condition of Subfloor

- A. Subfloor must be structurally sound (L/360), broom cleaned, and free of oil, grease, paraffin, laitance or other contaminants. Concrete floors must be fully cured and permanently dry. Subfloor must meet ASTM F710.
- B. All cracks and voids shall be filled with a quick-setting taping compound or equal to prevent leakage.
- C. When required, the General Contractor shall install bulkheads in areas where Hacker Sound Mat II stops and meets carpet and pad areas.
- D. Before installation, General Contractor shall inspect and approve the condition of the subfloor.

### 3.2 Mat Application

- A. Unroll and dry lay HACKER SOUND MAT II onto the subfloor. Use a high-quality duct tape to secure all joints and seams. Refer to manufacturers' recommended specifications.
- B. A perimeter isolation strip shall be properly installed along walls, plumbing fixtures, pipes and conduits.

### 3.3 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 is recommended to 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. Taping and seams shall be checked by the General contractor prior to the installation of Hacker Floor Underlayment.
- C. The minimum thickness of **FIRM-FILL Gypsum Concrete, FIRM-FILL 2010, FIRM-FILL 3310, FIRM-FILL High Strength**, or **GYP-SPAN Radiant** installed over the Hacker Sound Mat II shall be a minimum of 1" (25mm) measured from the highest point. Minimum compressive strengths shall be 1800 psi (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. Do not install finished floor coverings until the Hacker Floor Underlayment is tested for dryness. Consult the flooring contractor for recommended procedures to test for dryness. Reference Hacker Industries, Inc.'s Drying Conditions Flyer.
- F. Hacker Floor Underlayments are suitable for interior applications and shall be covered by a finished floor covering.

### 3.4 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' 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. Also reference ASTM F2419.

### **3.5 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 modified C472, using split brass molds. Prior to independent sampling contact Hacker Industries, Inc., to insure proper ASTM methods are followed.