

Hacker Sound Mat I

SOUND CONTROL MAT

 **Hacker Industries, Inc.**
SUBMITTAL FORM

Technical Data	Properties	ASTM
Roll Weight	90 lb (40.8 kg)	
Thickness	0.8 in (2 mm)	D3637
Width	48 in (121.92 cm)	
Core Color	Black recycled rubber	
Roll Length	75 ft (22.86 m)	
Total Square Feet	300 ft ² (27.87 m ²)	
Steiner Tunnel Test	Class B	2859
Pill Test DOC-FF 1-70	Passes	E84
Compression Set 601/12131	15%	D395
IIC Enhancement	15 dB Δ	E2179

- Benefits**
- A .08" (2 mm) sound control mat designed to control noise in multi-family projects
 - Integral part of an exceptional vibration isolation floor system
 - Composed of recycled tire rubbers
 - Specify with a FIRM-FILL® Brand Gypsum Concrete Floor Underlayment
 - Helps contribute points to LEED® project certification
 - Installed only by Licensed Applicators of Hacker Industries, Inc.

Product A durable, environmentally-friendly sound control mat composed of recycled rubber that helps increase STC and IIC values to create a quieter living environment. Ideal for all types of wood-frame construction, Hacker Sound Mat I features a quick and easy dry laid installation. Specify Hacker Sound Mat I with a 3/4" (19 mm) FIRM-FILL® Brand Gypsum Concrete topping for the ultimate sound performance system.

- Limitations**
- Shall not be used in exterior locations, below grade, or where continuous exposure to moisture is likely.
 - Shall not be used without a FIRM-FILL® Brand Gypsum Concrete topping.
 - Structure shall be designed so that deflection does not exceed L/360 live or dead load. Certain floor coverings, such as marble, limestone, travertine and wood, may have more restrictive deflection limits. Consult the appropriate floor covering manufacturer for their recommendations.
 - Do not use mechanical fasteners to install Hacker Sound Mat I, as mechanical fasteners conduct impact sound, reducing acoustical isolation.
 - Hacker Sound Mat I shall be installed with a perimeter isolation strip.
 - Hacker Sound Mat I is one component of an effective sound attenuation control system. Care must be taken in the installation of all components to ensure the ultimate design performance. Published acoustical and fire system tests were conducted under controlled laboratory and/or field conditions and reflect results applicable only to those specific assemblies.

Installation Before, during, and after installation, the building must be enclosed and the temperature maintained at a minimum of 50°F (10°C). Prior to installation, the subfloor shall be structurally sound (L/360), broom cleaned, dry and free from oil, grease, paraffin, laitance, wax or other contaminants.

Installation cont. Attach perimeter isolation strip or approved alternative to the walls, conduit, flanges, ballasts, etc. in order to isolate or break the vibration transmission path between the floor and wall. Reinforcement is recommended in doorways and other high traffic or transition areas.

Lay Hacker Sound Mat I onto the subfloor. The mat shall lay flat, even and uniform. Hacker Sound Mat I shall be pushed up tightly to the isolation barrier previously installed around the perimeter of the floor. Use a high-quality duct tape to tape the seams. Install FIRM-FILL® Brand Gypsum Concrete at a minimum of 3/4" (19 mm). Refer to Hacker Industries, Inc. most recent FIRM-FILL® Brand Gypsum Concrete underlayment recommended specifications.

Finished floor coverings can be installed when the FIRM-FILL® Brand Gypsum Concrete is completely dry. Consult flooring contractor for recommended procedures to test for dryness and acceptable levels of moisture. Reference Hacker Industries, Inc.'s Guidelines for Installing Finished Floor Coverings. This guideline is not a warranty and shall be used as a guideline only. See ASTM F2419.

Product Data

Core Thickness:	0.8 in (2 mm)
Roll Weight:	90 lb (40.8 kg)
Roll Length:	75 ft (22.86 m)
Core Width:	48 in (121.92 cm)
Total square feet:	300 ft ² (27.87 m ²)

Test Data Sound tests on underlayment systems have been conducted under laboratory and field conditions. Contact Hacker Industries, Inc. at (800) 642-3455 for information.

Warranty *Subject to express warranty stated on Hacker Industries, Inc.'s website.*

Submittal Approvals

Project Name:	_____
Contractor/Architect:	_____
Date:	_____

PRODUCT INFORMATION
See www.HackerIndustries.com for current recommended product specifications and literature.

Hacker Sound Mat I, for use with Hacker Floor Underlayments, is a component in an overall floor/ceiling assembly. Its performance is affected by every other component and the likelihood of achieving code compliance is contingent upon many other trades, including framers, plumbers and drywall contractors. Developers and general contractors are responsible for building properly and testing field performance as soon

as possible in order to ensure the reliability of the project.

WARNING
Laboratory tests are not a guarantee of field performance because of the issues noted above and many other design and/or construction errors that may occur. Please consult a professional acoustical consultant to ensure plans are proper and that the floor/ceiling assembly can perform to expectations.

TRADEMARKS
FIRM-FILL®, GYP-SPAN®, Let Our Products Floor You™ and the associated logos are trademarks of Hacker Industries, Inc. LEED® is a registered trademark of the U.S. Green Building Council.

NOTICE
We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective

goods. Any claim shall be deemed waived unless made in writing to us within 30 days from date it was, or reasonably should have been, discovered.

SAFETY FIRST
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read specs, MSDS and literature prior to specification and installation.

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