



## Sound Control

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Achieving acceptable levels of noise control while maintaining fire ratings is a challenge faced by owners, design professionals and builders. Poured gypsum concrete underlayments over sound isolation mats have become the products of choice due to their wide range of installation and performance benefits.

Hacker Industries, Inc., in conjunction with carefully selected sound mat suppliers, offers a full range of sound attenuation mats. Used with a FIRM-FILL® Gypsum Concrete floor underlayment, the sound isolation mats listed below are the solution to the challenge of noise control in multi-family structures.

- FIRM-FILL® SCM offers a cost-effective solution to address impact noise issues. Used with a FIRM-FILL® Gypsum Concrete, the low profile design, achieves sound reduction with minimal total thickness. FIRM-FILL® SCM creates a floating floor with a spring design, intended to improve a floor ceiling assembly's ability to deaden sound. The subfloor receives less of an impact from vibration noise above which helps lower the level of sound heard below.
- Hacker Sound Mat II is a recycled, rubber sound control mat that can be installed under FIRM-FILL® Gypsum Concrete, FIRM-FILL® 2010+, FIRM-FILL® 3310, FIRM-FILL® High Strength or FIRM-FILL® CMD to produce an exceptional vibration isolation floor system.

Hacker Industries, Inc. has conducted a variety of sound tests on underlayment systems at NVLAP-accredited laboratories. These tests have been in conformance with ASTM E90 and E492. In addition, upon request from a Licensed Applicator Hacker Industries, Inc. may address sound control concerns by offering analysis from independent acoustical consultants utilizing their experience and expertise along with their database of laboratory and field acoustical testing.

The message Hacker Industries' wants to send to the building community is that their commitment to quality is as strong as the floors their products create.