



FIRM-FILL® SCM-125

Product Description

FIRM-FILL® SCM-125 is a corrugated U-groove, random monofilament sound control mat. It is engineered to mitigate impact noise (IIC) between floors. This is an ideal solution for affordable housing, or other conditions where elevations are at a premium.

FIRM-FILL® SCM-125 is color coded blue to aid in proper installation and facilitate inspections. It is designed for use with FIRM-FILL® Brand Gypsum Underlayments to provide a complete fire and sound control system.

Related Products

FIRM-FILL® SCM-125 is used in conjunction with: FIRM-FILL Gypsum Underlayments, Hacker Reinforcement, FIRM-FILL® SCM Tape, Hacker Floor Sealer, Hacker Perimeter Isolation, and Hacker Top-Coat® SP (Surface Prep). For more products, visit www.hackerindustries.com/products.shtml.

TECHNICAL DATA	PROPERTIES	ASTM
Thickness (Nominal)	1/8" / 3 mm (Minimum Gypsum Thickness 3/4")	
Width	60" (152.4 cm)	
Area per Roll	400 ft ² (37.16 m ²)	
Roll Weight	33 lbs (14 kg)	
Steiner Tunnel	Class A	E84
Robinson Wheel	Extra-Heavy at 3/4" (19 mm)	C627

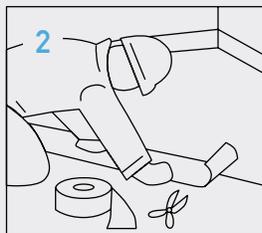
Compliance

- ICC-ESR-3386
- IAPMO UES Evaluation Report No. 474
- HUD 1255q

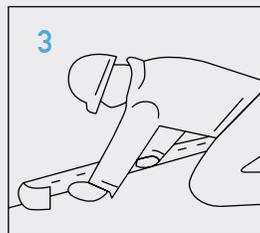
Installation



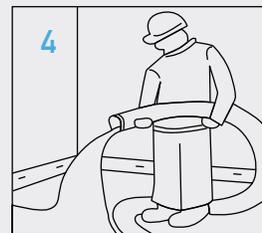
1 Lay down sound mat over the entire subfloor, colored side down



2 Seams between sound mat rolls are adhered with tape.

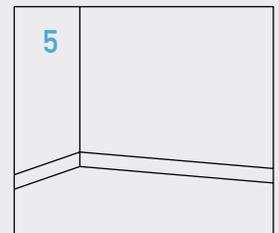


3 Isolation strips are installed, then taped, around the perimeter of the whole room and around any vertical penetrations of the floor.



4 Sound mat is topped with a Hacker Underlayment. Depth will be dependent on the project requirements.

For a smooth finish, installers use a darby tool to ensure uniform depth.



5 Finished floor coverings can be installed when the gypsum concrete is completely dry. Consult flooring contractor for acceptable levels of moisture and recommended procedures for testing dryness.

FIRM-FILL® SCM-125



Class A fire-rated product;
Code Compliant;
over 120 UL Listings



Ideal for light commercial and
multi-family construction



Lightweight and easy to handle



Cost-effective way to address
noise concerns and improve
IIC ratings



Minimal deflection, no creep
or long-term degradation



Installed only by our trained
Licensed Applicators across
North America

UL FIRE RATED DESIGNS

L003, 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, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L545, L546, L547, L549, L550, L551, L556, L557, L558, L560, L562, L563, L564, L565, L569, L570, L573, L574, L576, L577, L579, L581, L583, L585, L587, L588, L589, L590, L592, L593, L598

M500, M501, M502, M503, M504, M505, M506, M508, M509, M511, M513, M514, M515, M517, M519, M520, M521, M525, M526, M530, M531, M536, M538, M540, M544, M545, M546, M550, M553

J917, J919, J920, J924, J927, J931, J957, J958, J991, J994

Sound Testing & UL Fire Rated Designs

Published acoustic and fire systems tests were conducted under controlled laboratory or field conditions and reflect results applicable only to those specific assemblies. For more information on acoustical assemblies, visit

www.hackerindustries.com/acoustical-design-guide-download.shtml.

Limitations

1. Do not use in exterior locations or below-grade.
2. Shall not be used without a FIRM-FILL® Gypsum Concrete Underlayment.
3. Do not install where continuous exposure to moisture is a possibility.
4. 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 recommendations.
5. FIRM-FILL® SCM-125 shall be installed with a perimeter isolation strip.
6. Do not use mechanical fasteners to install FIRM-FILL® SCM-125, as mechanical fasteners conduct impact sound, reducing acoustical isolation.
7. FIRM-FILL® SCM-125 is but one component of an effective sound and fire control system. Care must be taken in the installation of all components to assure the ultimate design performance.

WARNING

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

NOTES

The information in this document is subject to change without notice. Hacker Industries, Inc., and/or its affiliates assume no responsibility for any errors that may inadvertently appear in this document. Consult Hacker Industries, Inc., for updated information.

WARRANTY

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