



FIRM-FILL® SCM-250

Product Description

FIRM-FILL® SCM-250 is precision engineered for market-rate multi-family and hospitality projects. It is a corrugated u-groove, random monofilament sound control mat engineered to mitigate impact noise (IIC) between floors. It has a nominal 1/4" (6 mm) thickness ideal for projects with floor thickness limitations. Optimal for use under luxury vinyl tile, luxury vinyl plank, and other laminate floor coverings.

FIRM-FILL® SCM-250 is color-coded red to ensure choosing the proper thickness for installation. It is designed for use with FIRM-FILL® Gypsum Underlayments to provide a complete fire and sound control system.

TECHNICAL DATA	PROPERTIES
Core Thickness (Nominal)	1/4" (6 mm) (Minimum Gypsum Thickness 1")
Width	60" (152.4 cm)
Coverage per Roll	400 ft^2 (37.16 m^2)
Roll Weight	49 lbs (22 kg)
Steiner Tunnel	Class A
Robinson Wheel	Extra-Heavy at 1" (25 mm)

Related Products

FIRM-FILL® SCM-250 should be specified to use in conjunction with FIRM-FILL® Gypsum Underlayments. Hacker Industries, Inc. also supplies Hacker Reinforcement, FIRM-FILL® SCM Tape, Hacker Floor Sealer, Hacker Perimeter Isolation, and Hacker TopCoat® SP (Surface Prep).
For more products, visit hackerindustries.com.

Compliance

- ICC-ESL-1452
- ICC-ESR-3386
- HUD 1255

Installation



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



2 Lay down sound mat over the entire subfloor, colored side down.



3 Seams between sound mat rolls are adhered with tape.



4 Sound mat is topped with a Hacker Underlayment. For depth, please refer to Hacker Industries, Inc.'s Thickness Guidelines.



5 Finished floor coverings can be installed when the gypsum concrete is completely dry.

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FIRM-FILL® SCM-250

- Class A fire rated product; Code Compliant; over 130 UL Listings
- Ideal for market-rate multi-family and hospitality projects
- Lightweight and easy to install correctly
- 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

Sound Testing & UL Fire Rated Designs

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, L532, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L545, L546, L547, L549, L550, L551, L556, L557, L558, L560, L562, L563, L564, L569, L570, L574, L576, L577, L579, L581, L583, L585, L587, L588, L589, L590, L592, L593, L598
M500, M501, M502, M503, M504, M505, M506, M508, M509, M510, M511, M513, M514, M515, M517, M519, M520, M521, M530, M531, M538, M540, M544, M545, M546, M550, M553, M562
G230, G516, G524, G553, G561, G565, G566, G587, G594, G595
H502, H516
J917, J919, J920, J924, J927, J931, J957, J991, J994

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 hackerindustries.com.

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-250 shall be installed with a perimeter isolation strip.
6. Do not use mechanical fasteners to install FIRM-FILL® SCM-250, as mechanical fasteners conduct impact sound, reducing acoustical isolation.
7. FIRM-FILL® SCM-250 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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