



Installing Hacker Sound Mat I (QTscu) over Hacker Floor Underlayments (FIRM-FILL® and Gyp-Span®)

REFERENCE: TECHNICAL BULLETIN #003

APPLICABLE PRODUCTS

FIRM-FILL® Gypsum Concrete

1,200 to 2,000 psi
(8.3 to 13.8 MPa)
Flagship product for application in multi-family housing for sound and fire-ratings

FIRM-FILL® 2010+

2,000 to 3,200 psi
(13.8 to 22 MPa)
For use over wood subfloors to provide additional surface hardness

FIRM-FILL® 3310

2,000 to 3,300 psi
(13.8 to 22.8 MPa)
Specially designed to decrease the amount of water used; offers a quicker drying time without compromising the rock-solid floor strength

FIRM-FILL® High Strength

2,500 to 3,800 psi
(17.2 to 26.2 MPa)
Resurfaces cracked or damaged concrete with outstanding bonding characteristics

FIRM-FILL® 4010

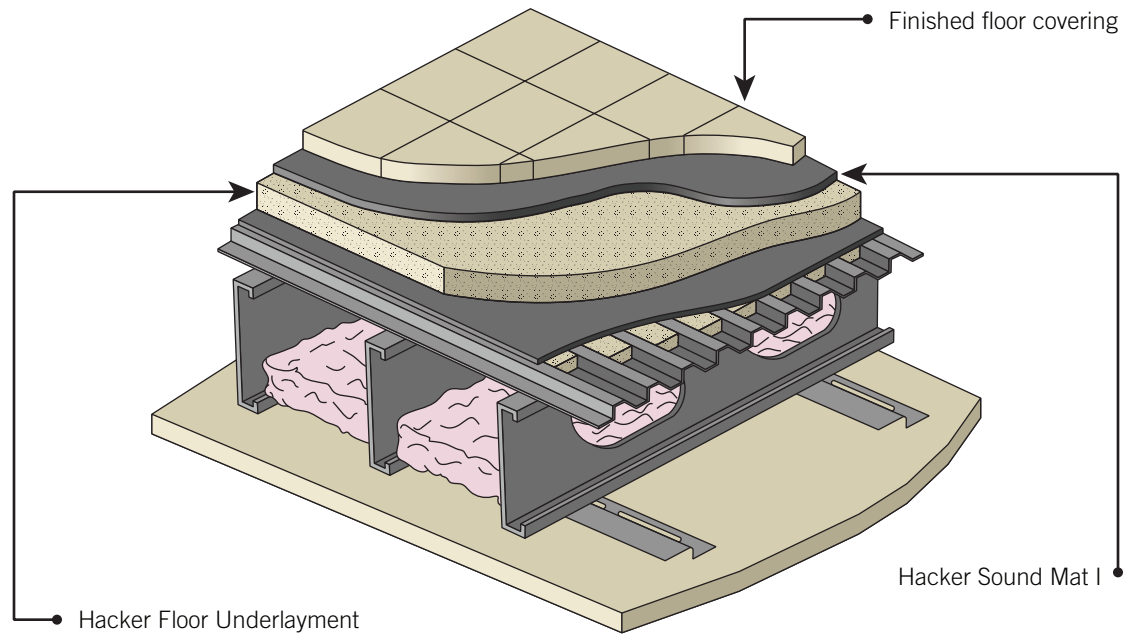
Up to 5500 psi
(Up to 37.9 MPa)
An exceptionally durable cementitious underlayment for thin capping of concrete on projects requiring the highest compressive strength

Gyp-Span® Radiant

2000 to 3200 psi
(13.8 to 22 MPa)
Designed for use in hydronic or electrical radiant heat systems; to create a thermal mass for even distribution of heat.

Hacker Floor Sealer

A clear, water based, vinyl acrylic copolymer sealer; recommended over Hacker Floor Underlayments.



Hacker Industries, Inc. manufactures FIRM-FILL® & Gyp-Span® Radiant brand gypsum based concretes. We do not test and provide approvals for crack isolation & waterproofing membranes over our products. The manufacturer of each respective product tests and provides the approvals and installation procedures for these products.

Currently, the resilient flooring industry (adhesive, thin set and membrane manufacturer) now requires the gypsum concrete underlayment (FIRM-FILL® and Gyp-Span® Radiant) to meet ASTM F2419 "Standard Practice for Installation of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface to Receive Resilient Flooring." Both FIRM-FILL® and Gyp-Span® Radiant products exceed the minimum requirements for ASTM F2419.

Hacker Sound Mat I and Ecore QTscu are acceptable over clean, dry and structurally sound gypsum concrete with special installation procedures. When installing tile with thin-set and HSM I (QTscu) over Hacker Floor Underlayments, it shall be glued to surface using procedures in the "Ecore QT installation Manual". Depending on brand of adhesive used, a primer may be required. Please contact manufacturer of adhesive for recommended installation procedures.

The following Ecore recommended adhesives are listed on Page 13 of the manual:

1. "E-Grip III" by ECORE International (800) 322-1923
2. "E-Grip Evolve" by ECORE International (800) 322-1923
3. Bostik's Best® by Bostik® (800) 592-8858
4. Mapei Ultrabond® ECO 900 (800) 426-2734

Page 8 of the Ecore QT installation manual details the installation procedures for both fully adhered flooring & floating flooring. It states the following for fully adhered flooring: "NOTE: When using grouted or fully adhered flooring materials, the QTscu (Hacker Sound Mat I) shall be fully adhered to the substrate with a suitable adhesive. No substitutions are permitted." For floating flooring refer to Page 10, "IV Alternative Installation Methods, A" of this same manual.

Refer to Ecore QT installation manual for additional information: http://cdn.ecoreintl.com/marketing/qt/techmanuals/QT_Technical_Manual.pdf

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