



# Floors with Sound Control Mat, Interior; Perimeter Isolation Detail

## PRODUCT ASSEMBLY

**1. Hacker TopCoat® SP**  
An acrylic-based, film forming surface preparation agent.

**2. (a) Firm-Fill® Gypsum Concrete Underlayment**  
Compressive strength up to 2250 psi (ASTM C472).

**(b) Firm-Fill® 2010+**  
Compressive strength up to 3200 psi (ASTM C472).

**(c) Firm-Fill® 3310 Classic**  
Compressive strength up to 3300 psi (ASTM C472).

**(d) Firm-Fill® 3310+**  
Compressive strength up to 3900 psi (ASTM C472).

**3. (a) Firm-Fill® SCM-125**  
1/8 inch (3mm) entangled mesh sound control mat

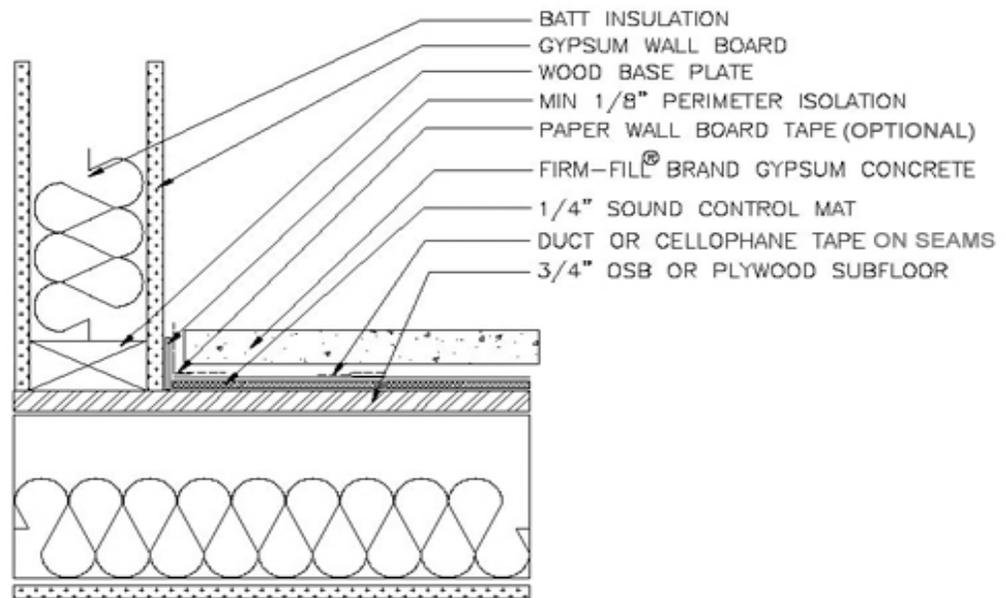
**(b) Firm-Fill® SCM-250**  
1/4 inch (6mm) entangled mesh sound control mat

**(c) Firm-Fill® SCM-400**  
3/8 inch (10mm) entangled mesh sound control mat

**(d) Firm-Fill® SCM-750**  
3/4 inch (19mm) entangled mesh sound control mat

**4. Hacker Floor Primer**  
A rewettable latex primer that is diluted: 1 part Hacker Floor Primer to 4 parts water

**Note:**  
Some installation methods and components are not referenced. Please consult all approved resources to ensure a complete assembly.



## When installing sheet vinyl and vinyl composition tiles over FIRM-FILL® Gypsum Concretes, in all cases, floor covering manufacturer recommendations supercede these guidelines.

### General Recommendations:

The minimum thickness of poured gypsum concrete over a floor ceiling assembly containing a sound mat shall be 1/4" (6mm) sound mat shall be 1". Refer to ASTM F2419 for installation guidelines.

Before applying a finished floor covering, ensure all surfaces are clean and free of dust, oil, dirt, paint, paraffin, laitance, etc. The use of sweeping compounds on Hacker Floor Underlayments is not recommended, as these products tend to contain oil, which can interfere with the bond of the Hacker Floor Underlayment and the adhesive or mortar used to attach the finished floor covering.

To prepare the underlayment, follow the recommended guidelines in Hacker Industries' "Guidelines for Installing Finished Floor Coverings," however the final surface preparation shall be

in accordance with the recommendations of the finished floor goods manufacturer.

If required by specific flooring manufacturer of resilient floor covering, install Hacker TopCoat® SP prior to installation.

Prior to installation of sheet vinyl or vinyl composition tiles, conduct a sample test to confirm bond capability. Also see ASTM F2419 for recommended guidelines.

### Special Note:

Pay particular attention to seaming when installing over underlayments, as you do not want water and dirt to accumulate in the seam areas.

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