USG LEVELROCK® BRAND
SAM-N12™
SAM-N25™
SAM-N40™

SOUND ATTENUATION MAT

Premium sound mat products
• STC and IIC values help meet or exceed code requirements for sound attenuation
• Can be used over a variety of subfloors
• Robinson tested for system durability
• May contribute towards LEED® credits
• Installed by USG Levelrock authorized applicators

USG Levelrock® Brand SAM-N12™, SAM-N25™ and SAM-N40™ Sound Attenuation Mats provide an economical method of improving the IIC and STC ratings of a variety of subfloors such as plywood, OSB, pre-cast concrete, concrete and corrugated steel deck. Thicknesses of 0.125 in. (3.2 mm) for USG Levelrock SAM-N12, 0.25 in. (6.35 mm) for USG Levelrock SAM-N25 and 0.40 in. (10.2 mm) for USG Levelrock SAM-N40 sound attenuation mat, allow for customization of the floor specification to address overall floor thickness limitations and building code sound requirements, making them ideal for multi-family wood frame construction.

USG Levelrock SAM-N12 sound attenuation mat requires a minimum ¾ in. (19 mm) of USG Levelrock® engineered cementitious underlayment topping, while both USG Levelrock SAM-N25 and SAM-N40 sound attenuation mats require a minimum 1 in. (25.4 mm) topping of USG Levelrock engineered cementitious underlayment. All USG Levelrock SAM-N Series sound attenuation mats are made from a durable polymer resin.

For those interested in green building, USG Levelrock SAM-N12, SAM-N25 and SAM-N40 Sound Attenuation Mats contain 4.6 – 6.2% pre-consumer recycled content.

1. Do not use in exterior applications.
2. Do not use as a wear surface.
3. Do not use mechanical fasteners to install the sound attenuation mat as mechanical fasteners conduct impact sound, compromising acoustical isolation.
4. Do not install where continuous exposure to moisture is a possibility.
5. Structure shall be designed so that deflection does not exceed L/240 from combined dead and live loads and L/360 from live loads. Certain floor coverings such as marble, limestone, travertine and wood may have more restrictive deflection limits. Consult the appropriate floor-covering manufacturer.
6. For wood subfloors, do not install on plywood/OSB subfloors lacking tongue and groove edges without back-blocking.

USG Levelrock SAM-N Series sound attenuation mats can be used over a variety of subfloors including plywood, OSB, pre-cast concrete, concrete and corrugated steel deck. For plywood or OSB subfloors, the edges must be tongue and groove or the use of back blocking is required. The subfloor must be clean and free of construction debris and dirt. The building temperature should be maintained at a 50 °F (10 °C) minimum.

USG Levelrock SAM-N Series sound attenuation mats should be primed with USG Levelrock® Wood Primer prior to the installation of the underlayment.

USG Levelrock® Perimeter Isolation Strip must be installed between the sound attenuation mat and walls or floor protrusions. The perimeter isolation strip must be installed so that there is no leakage of USG Levelrock engineered cementitious underlayment as any breach will compromise the sound system performance. Follow the detailed drawings in Assemblies (pg. 2) for specific instructions for USG Levelrock SAM-N12, SAM-N25 & SAM-N40 sound attenuation mats. For further perimeter...
isolation strip instructions, see USG Levelrock® Brand Perimeter Isolation Strips Submittal (IG1874) at usgperformanceflooring.com.

Protect USG Levelrock underlayment floors poured over sound attenuation mat from heavy trade traffic loads (i.e. loaded drywall carts, heavy tool cabinets, etc.) with plywood.

For further details on installation requirements, specifications and the most up-to-date product information, please see usgperformanceflooring.com.

### PRODUCT DATA

<table>
<thead>
<tr>
<th></th>
<th>USG Levelrock® SAM-N12 Sound Attenuation Mat</th>
<th>USG Levelrock® SAM-N25 Sound Attenuation Mat</th>
<th>USG Levelrock® SAM-N40 Sound Attenuation Mat</th>
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<tbody>
<tr>
<td>Width</td>
<td>39.5 in. (1 m)</td>
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<tr>
<td>Roll length</td>
<td>150 ft. (.45.7 m)</td>
<td>135 ft. (.41.1 m)</td>
<td>100 ft. (.30.5 m)</td>
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<tr>
<td>Coverage per roll</td>
<td>494 sq. ft. (.459 m²)</td>
<td>445 sq. ft. (.413 m²)</td>
<td>330 sq. ft. (.307 m²)</td>
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<td>Mat thickness</td>
<td>0.125 in. (.32 mm)</td>
<td>0.25 in. (.635 mm)</td>
<td>0.40 in. (.102 mm)</td>
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<tr>
<td>Roll diameter</td>
<td>18 in. (.457 mm)</td>
<td>24 in. (.610 mm)</td>
<td>26 in. (.660 mm)</td>
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<tr>
<td>Weight per roll</td>
<td>48 lbs. (.22 kg)</td>
<td>46 lbs. (.209 kg)</td>
<td>34 lbs. (.154 kg)</td>
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### TEST DATA

For fire ratings and IIC and STC sound test data, refer to the USG Levelrock® and USG Durock™ Fire & Sound Rating Guide (IG1685) at usgperformanceflooring.com.

### ASSEMBLIES

**WOOD SUBFLOOR, WOOD FRAME—USG LEVELROCK INSTALLED BEFORE DRYWALL**

- USG Sheetrock® Brand gypsum panel
- wood stud
- double plate
- USG Levelrock® Brand Acoustical Sealant
- tape to seal seam
- USG Levelrock® Floor Underlayment
- USG Levelrock® SAM-N12™, SAM-N25™ or SAM-N40™ Sound Attenuation Mat
- 3/4 in. (.19 mm) wood subfloor

**WOOD SUBFLOOR, WOOD FRAME—USG LEVELROCK INSTALLED AFTER DRYWALL**

- USG Sheetrock® Brand gypsum panel
- wood stud
- base plate
- USG Levelrock® Perimeter Isolation Strip (trim after floor installation)
- fastener 3/8 in. (10 mm) from edge of drywall
- USG Levelrock® Brand Acoustical Sealant
- tape to seal seam
- USG Levelrock® Floor Underlayment
- USG Levelrock® SAM-N12™, SAM-N25™ or SAM-N40™ Sound Attenuation Mat
- 3/4 in. (.19 mm) wood subfloor

* optional

NOTE: Drawings not to scale.
An extended warranty may apply when using USG Levelrock SAM-N12, SAM-N25 or SAM-N40 Sound Attenuation Mat in a system application. Please contact USG for further details.

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Contractor</th>
<th>Date</th>
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SAFETY FIRST!
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.