



# USG LEVELROCK® BRAND SAM-N SERIES 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
- Installed by USG Levelrock authorized applicators
- GREENGUARD Gold Certification; qualifies as a low VOC emitting material (meets CA 01350)

## DESCRIPTION

USG Levelrock® Brand SAM-N Series Sound Attenuation Mat provides 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. A range of thicknesses available in the USG Levelrock SAM-N Series of sound mats allow for customization of the floor specification to help address overall floor thickness limitations and building code sound requirements, making it ideal for multifamily wood frame construction.

For those interested in green building, USG Levelrock SAM-N Series Sound Attenuation Mats contain 3-8% pre-consumer recycled content. Each mat profile requires a minimum topping of USG Levelrock® Floor Underlayment. Please refer to the *Product Data* table (pg. 2) for more information.

## LIMITATIONS

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.

## INSTALLATION

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.

Priming USG Levelrock SAM-N Series sound attenuation mat is not required prior to installing USG Levelrock Floor Underlayments provided the sound mat is clean and free from construction debris, dirt and dust.

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 floor 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-N Series sound attenuation mat. For further perimeter isolation strip instructions, see *USG Levelrock® Brand Perimeter Isolation Strips Submittal* (IG1874) at usg.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 usg.com.

# PRODUCT DATA

	USG Levelrock® SAM-N12	USG Levelrock® SAM-N25	USG Levelrock® SAM-N40	USG Levelrock® SAM-N75
Width	39.5 in. (1 m)	39.5 in. (1 m)	39.5 in. (1 m)	39.5 in. (1 m)
Roll length	150 lf (45.7 m)	135 lf (41.1 m)	100 lf (30.5 m)	50 lf (15.2 m)
Coverage per roll	494 sq. ft. (45.9 m²)	445 sq. ft. (41.3 m²)	330 sq. ft. (30.7 m²)	165 sq. ft. (15.3 m²)
Mat thickness	0.125 in. (3.2 mm)	0.25 in. (6.35 mm)	0.40 in. (10.2 mm)	0.75 in. (19 mm)
Roll diameter	18 in. (457 mm)	24 in. (610 mm)	26 in. (660 mm)	26 in. (660 mm)
Weight per roll	48 lbs. (21.8 kg)	46 lbs. (20.9 kg)	34 lbs. (15.4 kg)	28 lbs. (13 kg)
Minimum topping of USG Levelrock Floor Underlayment	3/4 in. (19 mm)	1 in. (25 mm)	1 in. (25 mm)	1-1/2 in. (38 mm)
Approximate pre-consumer recycled content (by weight)	8%	6%	5%	3%

# TEST DATA

## SOUND

For fire ratings and IIC and STC sound test data, refer to the *USG Levelrock® and USG Durock™ Fire & Sound Rating Guide* (IG1685) at usg.com. Published acoustical and durability performance is based on testing USG Levelrock Floor Underlayments with USG Levelrock sound attenuation products.

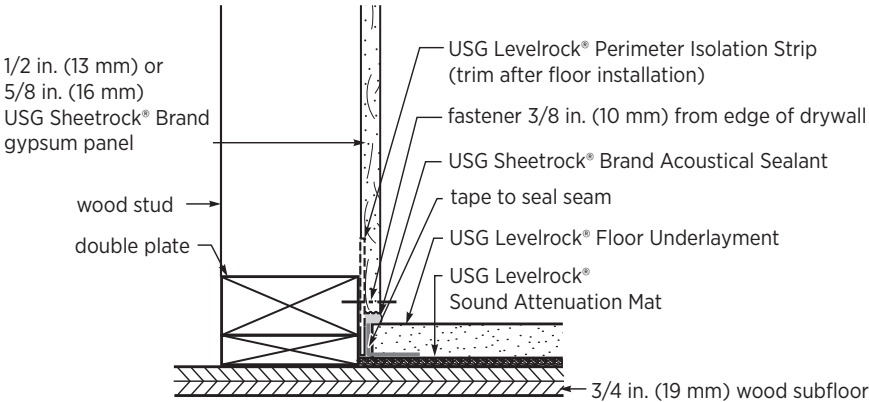
**Loft Assemblies Without Ceilings** Because loft assemblies vary greatly from job to job, field testing NNIC and NISR tests should be conducted by a licensed acoustician according to ASTM E336 (for NNIC) and ASTM E1007 (for NISR).

## UL DESIGNATION TYPE SAM

UL Classified for use in floor-ceiling assemblies with the UL Designation Type SAM.

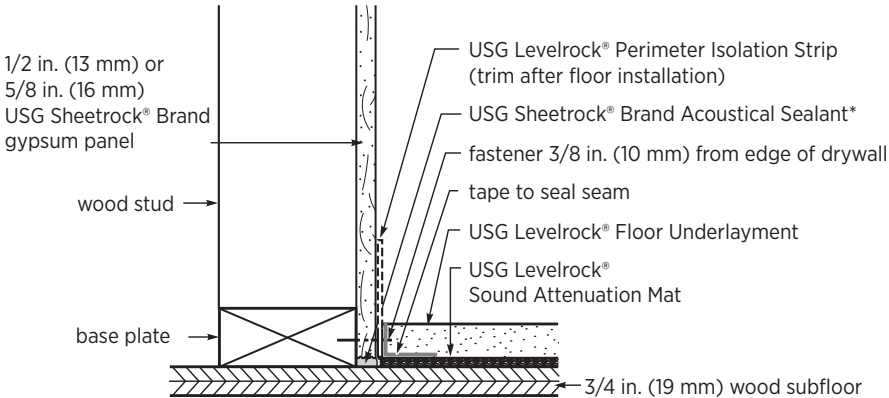
# ASSEMBLIES

WOOD SUBFLOOR, WOOD FRAME—  
USG LEVELROCK INSTALLED BEFORE DRYWALL



USG Levelrock® SAM-N Series Sound Attenuation Mat

WOOD SUBFLOOR, WOOD FRAME—  
USG LEVELROCK INSTALLED AFTER DRYWALL



USG Levelrock® SAM-N Series Sound Attenuation Mat

NOTE Drawings not to scale.

\* optional

**EXTENDED WARRANTY**

**SUBMITTAL APPROVALS**

An extended warranty may apply when using USG Levelrock SAM-N Series Sound Attenuation Mat in a system application. Please contact USG for further details.

Job Name	
Contractor	Date

**PRODUCT INFORMATION**  
See usg.com for the most up-to-date product information.

**GREENGUARD INFORMATION**  
GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg).

**CAUTION**  
Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. Remove contact lenses and continue rinsing. If on skin: Wash with plenty of water. If irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at [usg.com](http://usg.com).

**KEEP OUT OF REACH OF CHILDREN.**

**TRADEMARKS**  
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**NOTICE**  
We shall not be liable for consequential, incidental or special damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to the replacement of defective goods or a refund of the purchase price, at USG's option, and does not include costs of labor, floor-covering materials, or any other costs associated with material replacement. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered. For all applicable warranty information, please refer to *USG Levelrock® Brand & USG Durock™ Brand Performance Flooring Products Two-Year Limited Warranty for USG Levelrock Applicators* (IG1727) located at [usg.com](http://usg.com). For all terms and conditions see [usg.com/terms-and-conditions](http://usg.com/terms-and-conditions).

**SAFETY FIRST!**  
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.



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