

USG LEVELROCK® BRAND SAM-N12™ ULTRA SOUND ATTENUATION MAT

Provides superior IIC ratings for demanding sound environments

- Three layers for a higher Delta performance
 - 3/16 in. (5 mm) profile
 - STC and IIC values exceed code requirements for sound attenuation
 - Can be used over a variety of subfloors
 - May contribute towards LEED® credits
 - Installed by USG Levelrock authorized applicators
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DESCRIPTION

USG Levelrock® Brand SAM-N12™ Ultra Sound Attenuation Mat is an extremely economical solution to produce some of the highest IIC values in the industry. USG Levelrock SAM-N12 Ultra Sound Attenuation Mat can be installed over a variety of subfloors such as plywood, OSB, pre-cast concrete, concrete and corrugated steel deck. Its 3/16 in. (5 mm) thickness can help address overall floor thickness limitations and building code sound requirements, making it ideal for multi-family wood frame construction. USG Levelrock SAM-N12 Ultra Sound Attenuation Mat requires a minimum 3/4 in. (19 mm) topping of USG Levelrock engineered cementitious underlayment.

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, eliminating 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.
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INSTALLATION

USG Levelrock SAM-N12 Ultra Sound Attenuation Mat 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-N12 Ultra 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 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 Ultra 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

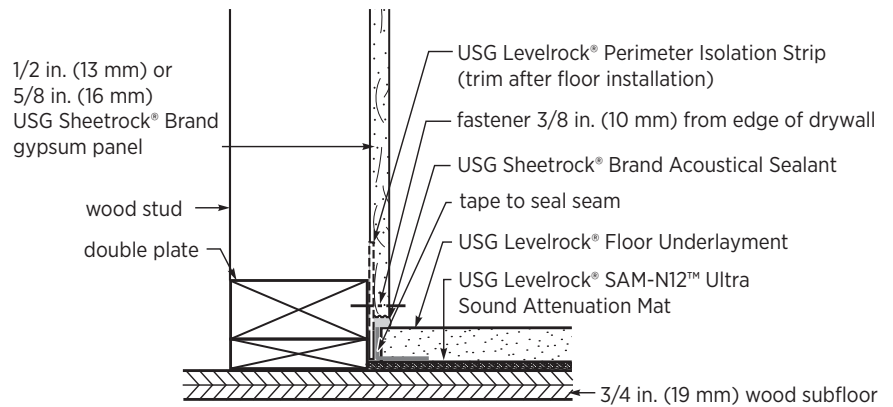
	USG Levelrock® SAM-N12™ Ultra Sound Attenuation Mat
Width	39.5 in. (1 m)
Roll length	112 lf. (34.1 m)
Coverage per roll	369 sq. ft. (34.3 m ²)
Mat thickness	3/16 in. (5 mm)
Roll diameter	19 in. (483 mm)
Weight per roll	53 lbs. (24 kg)

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 usg.com.

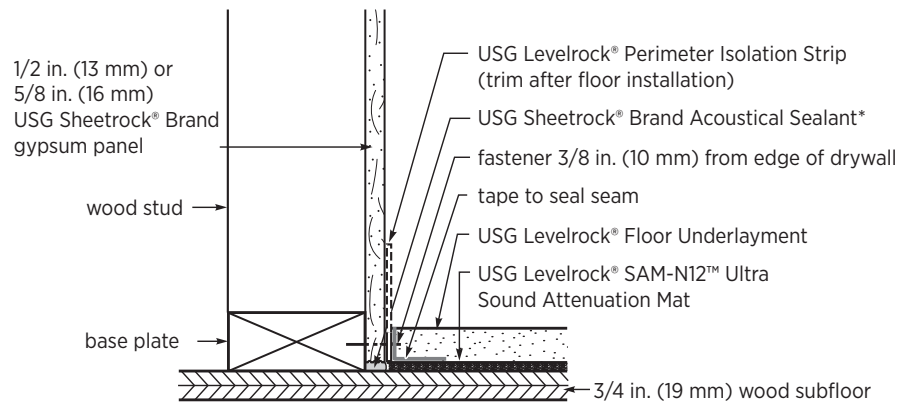
ASSEMBLIES

WOOD SUBFLOOR, WOOD FRAME—
USG LEVELROCK INSTALLED BEFORE DRYWALL



USG Levelrock® SAM-N12™ Ultra Sound Attenuation Mat

WOOD SUBFLOOR, WOOD FRAME—
USG LEVELROCK INSTALLED AFTER DRYWALL



USG Levelrock® SAM-N12™ Ultra Sound Attenuation Mat

* optional

NOTE Drawings not to scale.

EXTENDED WARRANTY

An extended warranty may apply when using USG Levelrock SAM-N12 Ultra Sound Attenuation Mat in a system application. Please contact USG for further details.

SUBMITTAL APPROVALS

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.

LEED INFORMATION

For the most up-to-date information on LEED rating systems, project certification and the U.S. Green Building Council, please visit usgbc.org.

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.

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

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NOTICE

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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.



800.USG.4YOU
800 (874.4968)
usg.com

Manufactured for
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

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