

# USG LEVELROCK® BRAND SAM-CSD™ SOUND ATTENUATION MAT

## Premium sound mat product

- STC and IIC values help meet or exceed code requirements for sound attenuation
- For use over corrugated steel deck
- Specially engineered fabric eliminates the need to pre-fill the flutes
- Robinson tested for system durability
- May contribute towards LEED® credits
- Installed by USG Levelrock authorized applicators

## DESCRIPTION

Designed for use over corrugated steel deck, USG Levelrock® Brand SAM-CSD™ Sound Attenuation Mat combines an engineered polymer resin with a durable tear-resistant backing that eliminates the need to pre-fill the flutes. Just 3/8 in. (10 mm) thick, USG Levelrock SAM-CSD sound attenuation mat can be easily installed directly over the corrugated steel deck while providing an economical method of improving the IIC and STC ratings.

USG Levelrock SAM-CSD sound attenuation mat requires a minimum of 1-3/8 in. (35 mm) topping of USG Levelrock® CSD® Early Exposure™ FR Floor Underlayment.

For those interested in green building, the typical recycled content of USG Levelrock SAM-CSD sound attenuation mat (40%, of which 100% is pre-consumer/post-industrial material) may assist in obtaining LEED MR credits for Recycled content.

## 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 load. Furthermore, the design criteria for metal deck selection is so the live load deflection does not exceed L/480. 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-CSD sound attenuation mat is designed for use over corrugated steel deck. The subfloor must be clean and free of construction debris and dirt. The building temperature should be maintained between 40 °F (4 °C) and 110 °F (43 °C). In addition, the subfloor must meet the design criteria listed in the *USG Levelrock® CSD® Early Exposure™ Design Guidelines* (IG1741).

Orient the mat so that the seams are perpendicular to the corrugated steel deck. Install USG Levelrock SAM-CSD mat with the smooth backing side up. Cut the sound mat with a sharp utility knife. USG Levelrock SAM-CSD mat has a flap on one edge to cover the seams. This flap has an adhesive strip with a peel-able backing. Remove the backing from the adhesive strip and place the flap over the adjoining long edge. Press into place to ensure that the flap is firmly bonded. Use a premium grade duct tape to seal off any area that may be unbounded. The sound mat must lay flat, uniform and even. Do not use mechanical fasteners as this will compromise the sound performance of the mat.

## INSTALLATION CONT.

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. See *USG Levelrock Perimeter Isolation Strip Submittal* (IG1874) or the *USG Levelrock Applicator Best Practices Manual* (IG1763) for further information.

Prior to underlayment installation, prime USG Levelrock SAM-CSD sound attenuation mat with USG Levelrock™ Wood Primer.

Protect USG Levelrock underlayment floors poured over USG Levelrock SAM-CSD 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 visit [usg.com](http://usg.com) or [pourlevelrock.com](http://pourlevelrock.com).

## PRODUCT DATA

	USG Levelrock™ SAM-CSD™ Sound Attenuation Mat
Width	39.5 in. (1 m)
Roll length	100 lf. (30.5 m)
Coverage per roll	330 sq. ft. (30.7 m <sup>2</sup> )
Mat thickness	3/8 in. (10 mm)
Roll diameter	26 in. (660 mm)
Weight per roll	41 lbs. (18.6 kg)

## TEST DATA

For fire ratings and IIC and STC sound test data, refer to *USG Levelrock® and USG Durock™ Fire & Sound Rating Guide* (IG1685) at [usg.com](http://usg.com) or [pourlevelrock.com](http://pourlevelrock.com).

## SUBMITTAL APPROVALS

### PRODUCT INFORMATION

See [usg.com](http://usg.com) or [pourlevelrock.com](http://pourlevelrock.com) for the most up-to-date product information.

### 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](http://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](http://usg.com).

**KEEP OUT OF REACH OF CHILDREN.**

### TRADEMARKS

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### NOTE

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### SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

Job Name	
Contractor	Date

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[pourlevelrock.com](http://pourlevelrock.com)  
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IG1919-USA-ENG/4-16  
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