

Lowers the cost, profile and weight of the underlayment sound system



Levelrock™

**SRB™ Sound Reduction Board
Systems**



Only USC® offers LEVELROCK™ SRB™ sound reduction board, a unique sound control material used to increase IIC and STC levels in all types of construction. SRB sound reduction board's thin 3/8-in. profile contains recycled content that may assist in obtaining LEED® credits. The water-resistant SRB sound reduction board differs from sound mats in that it is constructed of a sound absorbing material with a higher mass.

When you pair SRB sound reduction board with LEVELROCK® 2500 floor underlayment in wood framed buildings, you'll exceed the STC and IIC requirements of Section 1207 of the International Building Code (IBC) for most finishes and save money over conventional sound control systems that use sound mats. In addition, SRB sound reduction board systems offer a variety of UL-rated systems for fire safety in multi-family construction.

SRB sound reduction board systems are the most economical systems that exceed the STC and IIC requirements of Section 1207 of the International Building Code.

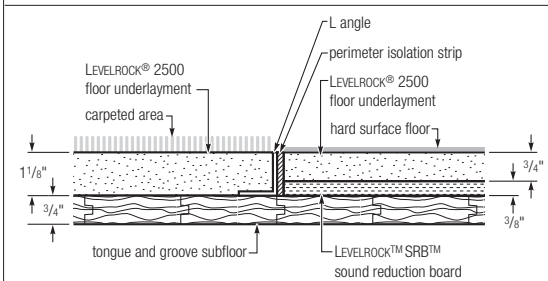
SRB sound reduction board **lowers the cost, profile and weight** of the underlayment system. Because SRB sound reduction board has less deflection than sound mats and LEVELROCK floor underlayment has a high compressive strength, only 3/4 inch of LEVELROCK floor underlayment is required to meet or exceed a 50 STC and 50 IIC, as compared to the 1-inch minimum needed for most conventional sound mats used in wood frame construction. This equates to an approximate 25% reduction in floor weight.

Transitions

SRB sound reduction board systems also provide easier, smoother floor transitions that can save you money on a job. When an area that requires sound control (i.e. vinyl, wood or ceramic flooring) transitions into an area that does not (i.e. carpeting), transition details like the ones below can be used. Note that these should only be considered in projects where the owner plans to use carpet for the life of the building—otherwise, a sound control system should be employed throughout the building's living space.

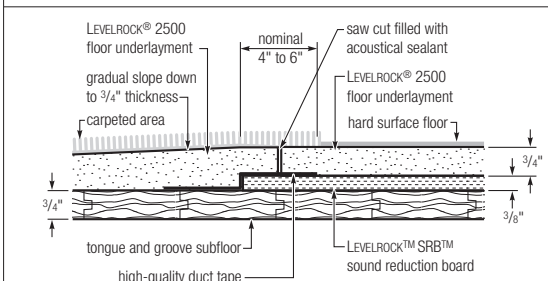
Transition 1 can achieve a sound break between rooms with different floor coverings. Adjust the floor underlayment to the same height as the sound control assembly. In this case, the lower profile with SRB sound reduction board reduces the thickness and cost of the floor underlayment in the areas where a sound control system is used.

Transition 1



In Transition 2, the lower profile of the SRB sound reduction board system allows a gradual transition from 1-1/8 in. down to 3/4 in. over an approximate 3 ft. area. This is an economical solution to consider if you want to reduce the amount of floor underlayment in the building, and still meet the code requirements for both fire and sound.

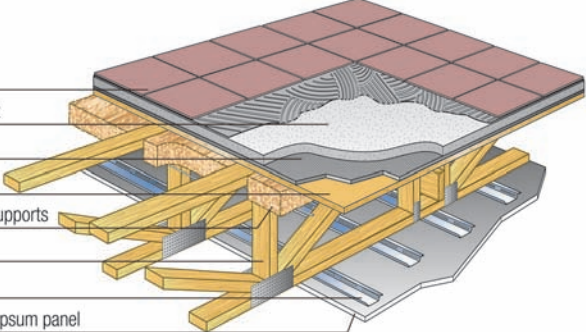
Transition 2



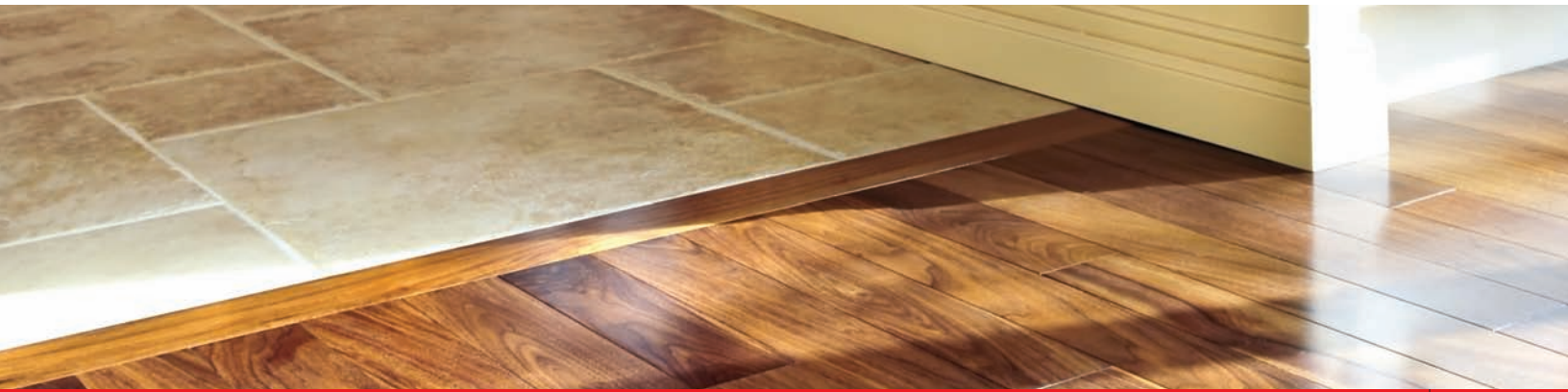
Drawings not to scale.

UL-Rated Assemblies

SRB Sound Reduction Board Systems require only 3/4 in. of LEVELROCK floor underlayment to achieve comparable sound performance to sound mat systems—for less cost. The SRB sound reduction board systems were tested in open web wood truss joist, engineered I-joist and 2" x 10" wood joist assemblies.

UL Des L521	Open Web Wood Truss Joist	ASTM Test Results*																	
ceramic tile 3/4" LEVELROCK floor underlayment 3/8" SRB sound board wood subfloor batts/blankets held w/ insulation supports open web wood truss joist resilient channel 5/8" SHEETROCK FIRECODE C Core gypsum panel		<table border="1"> <thead> <tr> <th colspan="3">ASTM Test Results*</th> </tr> <tr> <th rowspan="2">Finish</th> <th colspan="2">Sound Rating</th> </tr> <tr> <th>STC</th> <th>IIC</th> </tr> </thead> <tbody> <tr> <td>Sheet Vinyl</td> <td>63</td> <td>53</td> </tr> <tr> <td>Ceramic Tile</td> <td>63</td> <td>54</td> </tr> <tr> <td>Eng. Wood Laminate</td> <td>63</td> <td>52</td> </tr> </tbody> </table> <p>Note Refer to UL Directory for proper RC-1 spacing based on placement of insulation. Sound test evaluated with open web wood truss joist 12 in. deep spaced 24 in. o.c.</p>	ASTM Test Results*			Finish	Sound Rating		STC	IIC	Sheet Vinyl	63	53	Ceramic Tile	63	54	Eng. Wood Laminate	63	52
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Note *Above systems tested in a laboratory environment per ASTM E90 for Air-borne sound (STC) and ASTM E492 for Structure-borne sound (IIC) per Section 1207 of the IBC.



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Safety First!

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



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