

## Product Data Section

### Block And Contain Noise Using Easy To Install HUSH BLOCK™ Loaded Vinyl Flexible Sheeting



*Model NRLV-100 HUSH BLOCK™ flexible sound barrier applied to OEM equipment housing increases transmission loss and damping.*



*HUSH BLOCK™ RLV-100 reinforced loaded vinyl makes a great flashing material around wall and machinery enclosure penetrations.*

#### Advantages:

- RLV styles are USDA approved
- Durable construction
- Lead and asbestos free
- Furnished in easy to cut and install rolls 48" or 54" wide
- Good corrosion resistance
- Self-extinguishing
- Class A (model LV-100-CLA) fire rated designs available
- STC acoustical ratings from 20 to 31
- Can be combined with foam or fiberglass absorbers

#### Applications:

- Drywall sound partitions and walls
- Plenum/crosstalk barriers
- Pipe and duct wrap
- Acoustic floor mats and carpet underlayment
- OEM custom die cut parts
- Housing liners and machinery covers
- Area dividers and curtains
- Flashing around wall penetrations
- Clear barrier strip curtains
- Ceiling tile barrier backing

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**About BRD HUSH BLOCK™ Barriers:**

BRD HUSH BLOCK™ flexible sound barriers are limp, tough high temperature-fused vinyl loaded with non-lead fillers. They are available in reinforced construction with a polyester mesh for maximum tensile strength and where the material shall free hang and support its own weight. Non-reinforced styles are more economical where the barrier will be included in another wall, ceiling, housing, cabinet, floor, etc. and the barrier weight is supported by another structure. Clear vinyl barriers for strip curtains and windows are also available. Special class A, marine and other barriers are available to meet customer needs.



*Model NRLV-100 HUSH BLOCK™ flexible sound barrier when applied to standard stud wall construction can increase STC ratings by up to 6 points.*

**Physical Properties and Acoustic Performance Data**

Product	Nominal Thickness (Inches)	Weight Lbs./Ft. <sup>2</sup>	Description or Type	Roll Size	Sound Transmission Loss (dB) Per Octave Band (Hz)						STC
					125	250	500	1000	2000	4000	
NRLV-100	.107	1.0	Non-Reinforced Loaded Vinyl	54"Wx60'L	13	17	22	26	32	37	26
NRLV-200	.225	2.0	Non-Reinforced Loaded Vinyl	54"Wx60'L	16	22	26	32	35	40	31
RLV-100	.090	1.0	Reinforced Loaded Vinyl	54"Wx60'L	13	17	22	26	32	37	26
CLV-100	.160	1.0	Clear Loaded Vinyl	48"Wx60'L*	13	17	22	26	32	37	26
CLV-075	.120	.75	Clear Loaded Vinyl	48"Wx60'L**	11	16	20	25	30	34	23
LV-100-LAG	.090	1.0	Foil Faced Loaded Vinyl	48"Wx60'L	13	17	22	26	32	37	26
LV-100-CLA	.109	1.0	Class A Loaded Vinyl	54"Wx60'L	13	17	22	26	32	37	26
LS-100	.020	1.0	Lead Sheet	48"Wx25'L	13	17	22	26	32	37	26

\*Also available in 16" wide strip curtains.

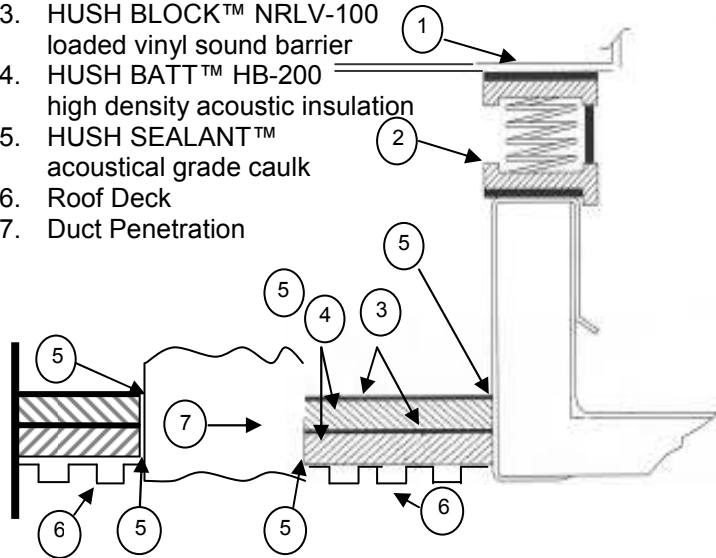
\*\* Also available in 12" wide strip curtains.

Note: Additional information on tensile, breaking and tear strengths, elongation, chemical resistance, flammability, etc. available upon request.

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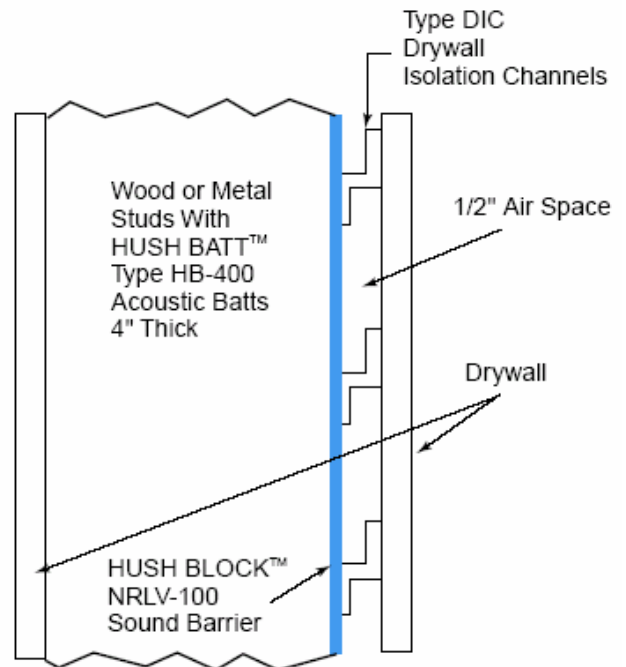
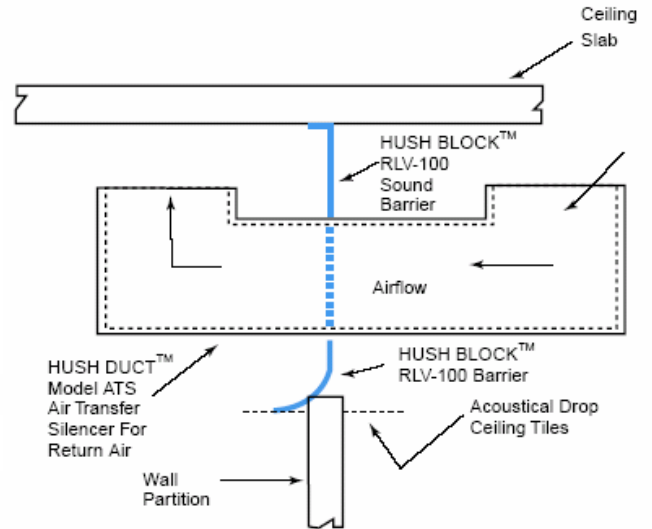
### Rooftop HVAC Unit In-Curb Treatment

1. RTU Base
2. HUSH MOUNT™ RSVC vibration roof curb
3. HUSH BLOCK™ NRLV-100 loaded vinyl sound barrier
4. HUSH BATT™ HB-200 high density acoustic insulation
5. HUSH SEALANT™ acoustical grade caulk
6. Roof Deck
7. Duct Penetration



A built-up system using alternating layers of HUSH BLOCK™ loaded vinyl applied to the inside of a rooftop unit curb will reduce radiated noise from the bottom of the unit which can transmit down through the roof deck and leak down around the supply and return duct openings. The roof decking should be flashed to within 1/4" of duct walls before application of HUSH SEALANT™ acoustical grade caulk. The above picture and top left detail illustrate this application. If the roof curb is a plenum exposed to the airstream, HUSH FLEX™ Class A composite material ABAC-111N should be used in a similar double layer configuration.

### Plenum/Crosstalk Barrier With Silencer

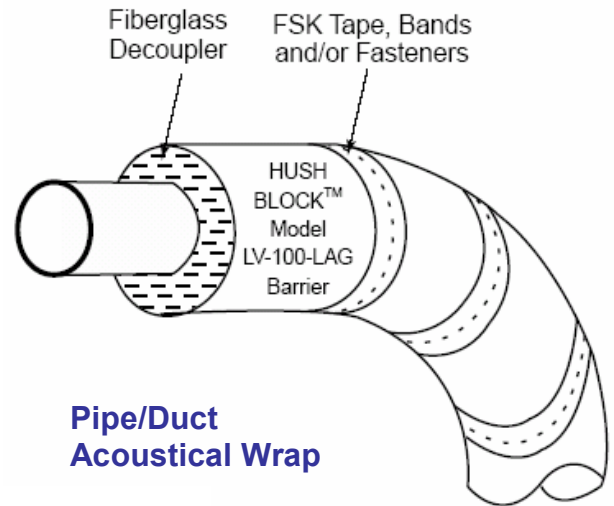
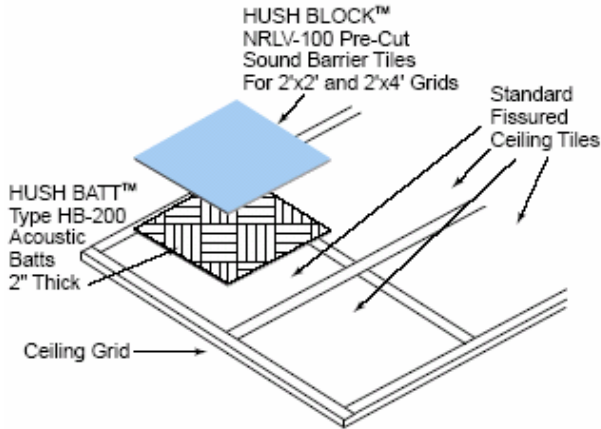


### Section View of Sound Wall Partition

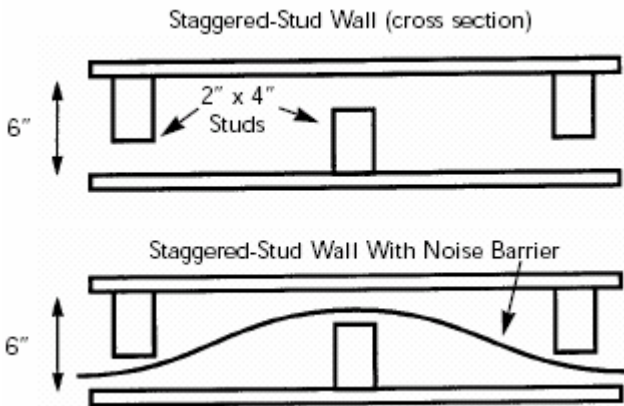
(see additional detail for staggered wall construction on top right of next page)

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**Above Ceiling Barrier Treatment**

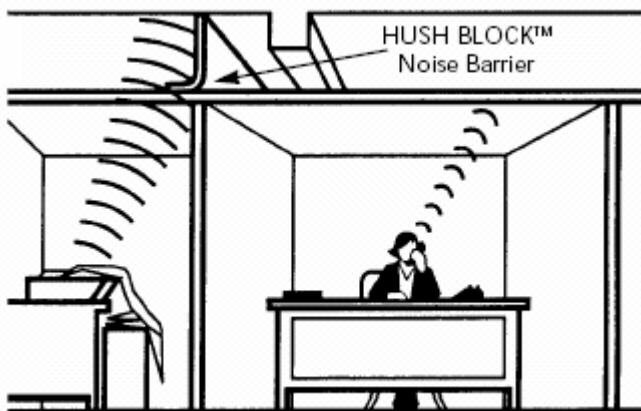


**Pipe/Duct Acoustical Wrap**



**Use Inside "Staggered-Stud" Walls:**

- For recording and broadcast studios, common walls in apartments and condominiums and even offices needing more privacy, staggered-stud wall construction is recommended.
- To maximize the noise reduction through a staggered-stud wall, weave a floor-to-ceiling layer of HUSH BLOCK™ NRLV-100 barrier through the wall as shown above.



**Ceiling Applications:**

- In offices with suspended ceiling systems, walls often only extend to the drop ceiling. Noise can "leak" from office to office through the open cavity between the original ceiling and the drop ceiling.
- To reduce noise leakage, create wall extensions with HUSH BLOCK™ barriers by fastening the barrier to the original ceiling and letting it hang down onto the suspended ceiling panels.