

Product Data Section

Permanently Flexible Non-Hardening Joint Sealant For Acoustic and Thermal Applications

About BRD HUSH SEALANT™ Acoustical Caulk:

BRD HUSH SEALANT™ is a non-shrinking, permanently flexible joint sealant and flashing compound designed to act as an acoustic, thermal and vapor barrier. It is applied with standard caulking guns and adheres to clean, dry prepared surfaces. Within 12 to 24 hours following application, the sealant forms a tough outer skin while remaining pliable and flexible in the middle. It is easy to remove, patch and reseal on most surfaces. Coverage is 89 linear feet per tube for ¼" diameter extruded bead for the 29 oz. tube size.



Fire-rated wall pipe penetration using HUSH SEALANT™ HSAC-FS-100

Advantages:

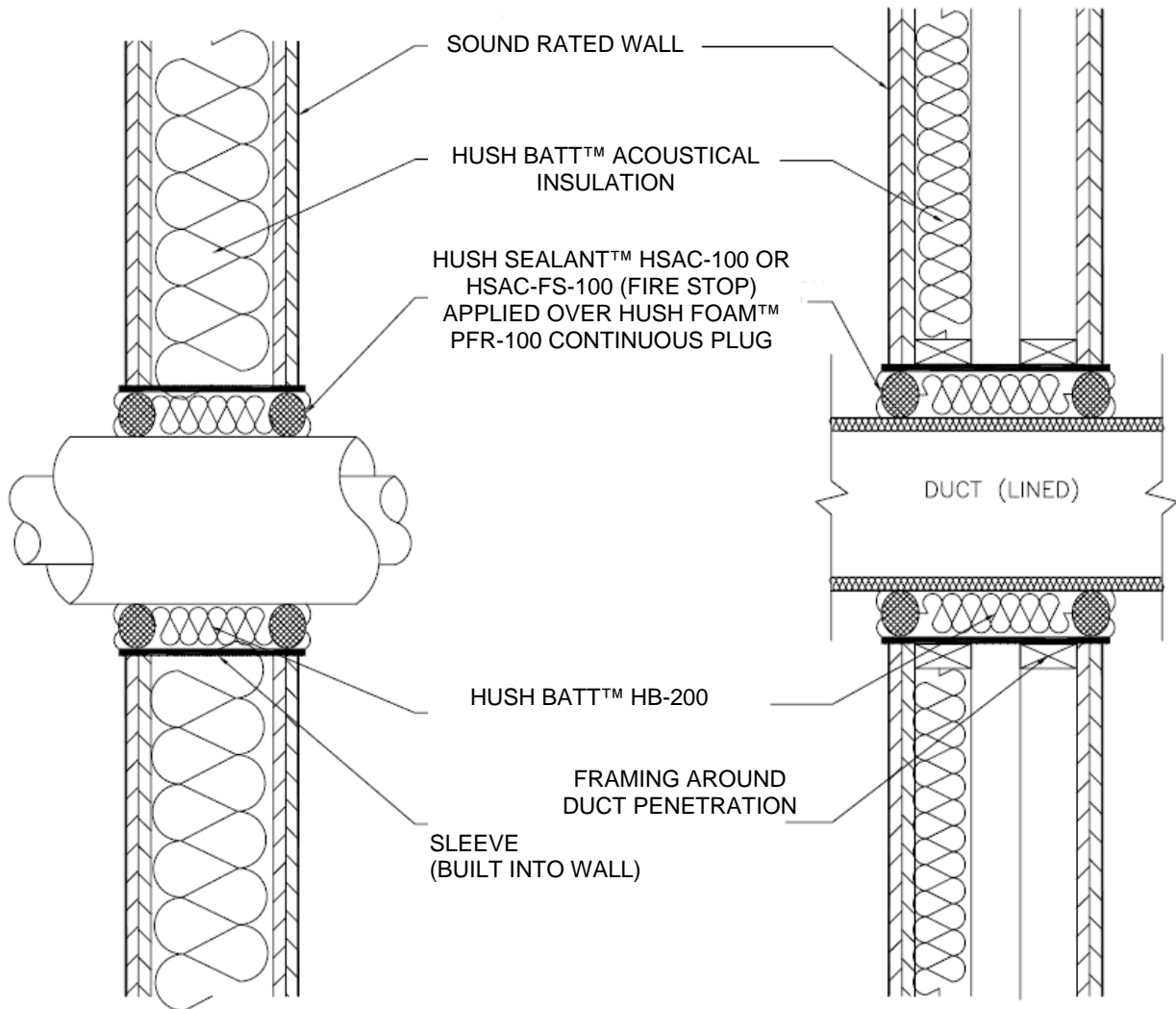
- Pliable seal against airborne sound, air infiltration and moisture
- Adheres to wood, metal concrete, gypsum board and other construction materials and building substrates
- Maintains STC value (Sound Transmission Class) of sound rated walls, systems and assemblies
- Non-hardening and non-migrating
- Will not shrink, crack or dry out
- Asbestos free and odorless
- Fast, smooth, easy application and clean-up
- Formulations for bead applications and moldable putty
- UL tested and classified

Applications:

- Exposed and unexposed applications
- Building structure perimeter joints
- Metal/wood floor and ceiling runners
- Around electrical boxes, outlets and switches in sound rated wall assemblies
- To seal gaps around pipe, duct, conduit, utility lines and other penetrations of sound rated structures
- Dual service acoustical and thermal insulation treatments
- Sound rated doors and windows
- Seams and joints in high performance pipe and duct insulation (external) systems
- Any industrial, commercial or residential sound rated construction

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Acoustical Pipe & Duct Penetrations Through Noise Critical Wall/Partition



PACK ANNULAR SPACE COMPLETELY WITH HUSH BATT™ HIGH DENSITY ACOUSTICAL INSULATION AS REQUIRED FOR FIRE RATING. RECESS FIBROUS MATERIAL INTO SLEEVE 0.5 IN. OR AS REQUIRED BY THE SPECIFIC U.L. SYSTEM FOR REQUIRED HUSH SEALANT™ HSAC-FS-100 THICKNESS

**HUSH SEALANT™
Acoustical Caulk & Putty**

Absorbers
Barriers
Composites
Damping & Diffusion
Electronic
Flow Control

Source/Airborne
Source/Structure
Path/Direct
Path/Indirect
Receiver

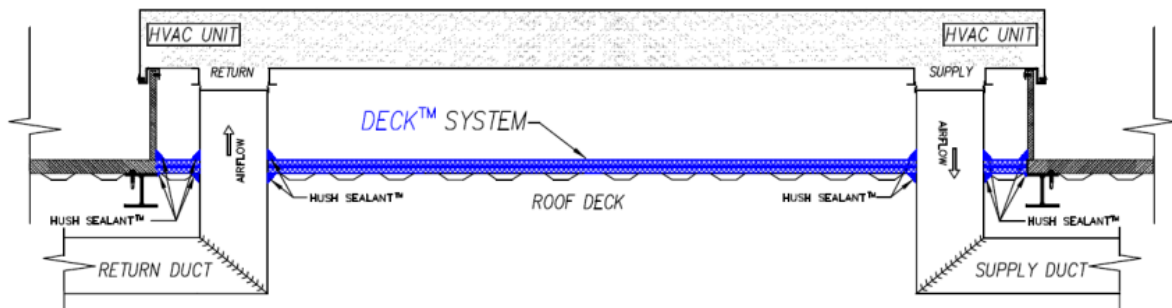
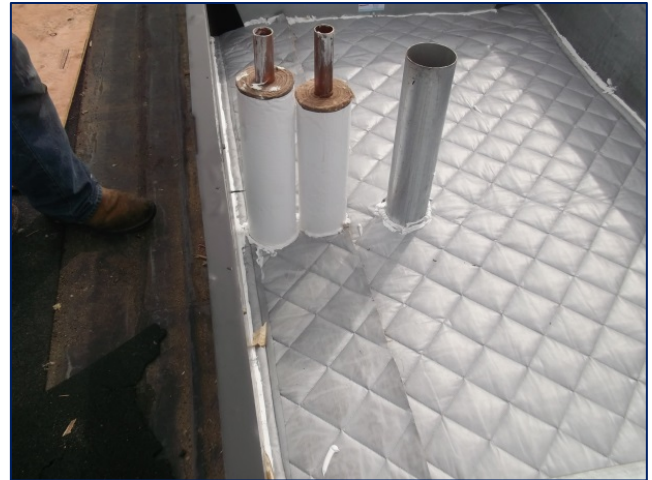
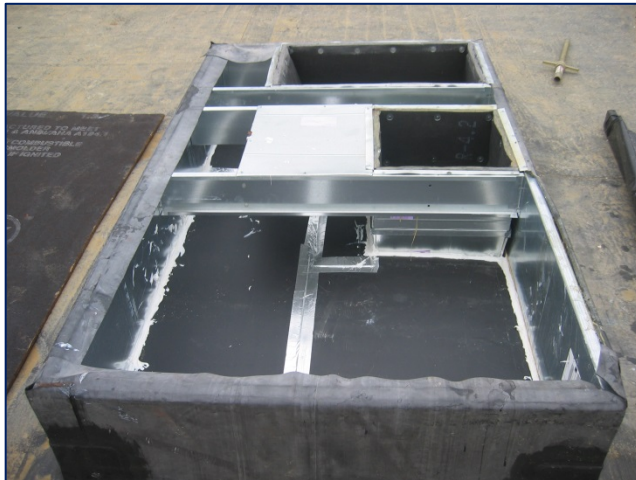
Industrial
Architectural
HVAC
OEM
Environmental

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**Technical Data for HUSH SEALANT™ Acoustical
Caulks and Putty**

	HSAC-100	HSAC-FS-100	HSAP-200
Description	Acoustical Caulk	Acoustical Caulk	Acoustical Putty
Fire Rating	Class "A" per ASTM E84	≤ 4H	1 hour to ASTM E814
UL Rating	UL 723	Yes	UL 1479
Size	Gunnable 29 oz. tubes	10.1 oz and 20.2 oz tubes	7" x 7" x 1/8" thick sheets
Color	White	Red	Blue/Green
Formulation	Easily extruded latex bead	Easily extruded bead	1 oz/in. ³ putty
Non Hardening	Yes	Yes	Yes
Application Temperature	40°F to 120°F	41° F to 104° F	40° F to 104° F

HUSH SEALANT™ products are the perfect solution for sealing around duct drops, pipe penetrations and inside perimeter edges of curb mounted rooftop units.

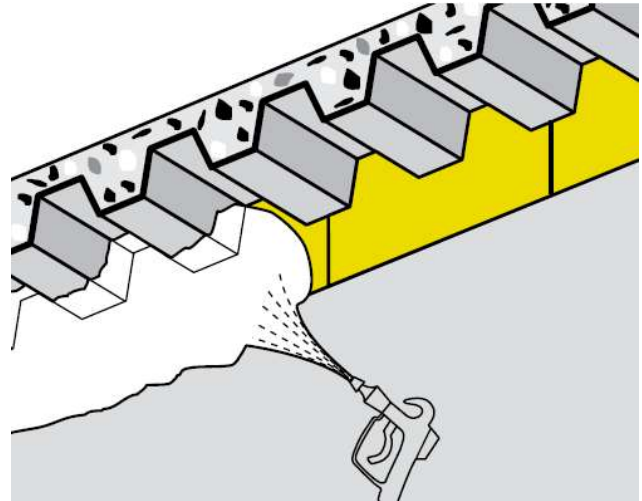


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Permanently Flexible Non-Hardening Joint Sealant For Acoustic and Thermal Applications

About BRD HUSH SEALANT™ Acoustical Spray Products:

HUSH SEALANT™ HSAS-CP-572 smoke and acoustical spray to seal off all types of construction joints and openings in non-fire-rated walls and partitions. It is not for use in fire-rated assemblies. It is not for use on surfaces above 170°F and not in areas immersed in water.



Technical Data	
Color	White
Chemical Basis	Acrylic
Storage and Transport Temperature Range	40°F to 77°F (5°C to 25°C)
Curing time approx.. (73°F/50% relative humidity)	Approx. 3 mm/3 days
Skin-forming time (73°F/50% relative humidity)	Approx. 15 min.
Application temperature range	40°F to 104°F (5°C to 40°C)
Shelf life	12 months
Sound transmission classification (ASTM E 90)	STC 56 (per tested construction type)
Surface burning characteristics (ASTM E 84-08)	Flame spread: 10 Smoke development: 5
Movement capability	Approx. 12.5%
Mold and mildew (ASTM G21)	Mold resistant
Air leakage (Modified UL 2079-L Rating)	L-Rating at Ambient = Less than 1 CFM/Lin. Ft. L-Rating at 400°F = Less than 1 CFM/ Lin Ft.

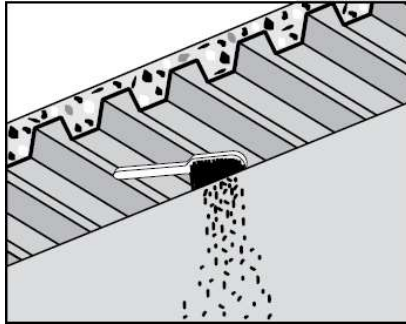
Recommended Application Equipment

Titan Sprayers have been successful in applying HSAS-CP-572 smoke and acoustical spray. BRD recommends the use of Titan 600 (for application temperatures above 50°F) or 1100 Sprayers. HSAS-CP-572 can also be brush applied with off-the-shelf paint brushes.

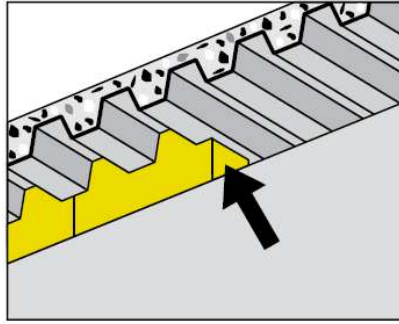
FOR FIRE RATED CONSTRUCTION bring the rated partition all the way to the underside of the ribs/flutes, pack with HB-200 HUSH BATT™ for the full depth of the partition and seal on both sides with HUSH SEALANT™ HSAC-FS-100.

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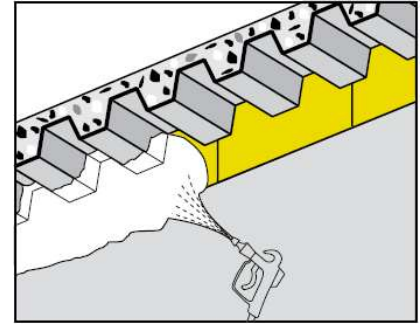
**How to Seal Sound Rated Partitions
Terminating Under A Corrugated Floor Deck**



1. Clean the opening. Surfaces to which HSAS-CP-572 will be applied should be cleaned of loose debris, dirt, oil, wax, grease, and contaminants. The surface should be moisture and frost free.



2. Install HUSH BATT™ high density acoustical mineral wool insulation or type HBSP-777-3" pre-formed speed plugs. Pack to 3" depth or depth of the wall where possible.



3. Spray or brush HSAS-CP-572 while ambient temperatures are over 40°F and under 104°F. Make sure to get 100% coverage and overlap all surrounding surfaces a minimum of 3".

Acoustical Penetrations at Floor Riser

