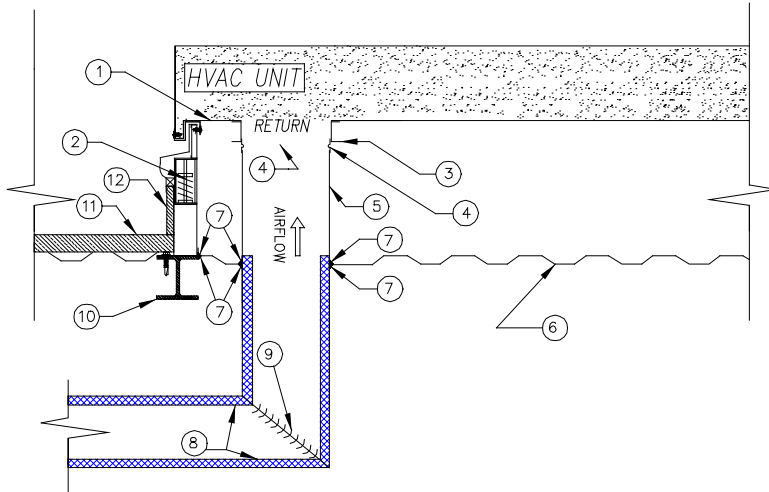


# HUSHCORE™ **LINEAR™** SYSTEM MODEL **HLM-100N** FIBER FREE NON-FIBERGLASS ACOUSTICAL DUCT LINER FOR AC, AHU AND RTU DUCT WORK



## BY HVAC UNIT MANUFACTURER

1. HVAC Unit Base
2. HUSH CURB™ HIC/HIR/HPC Vibration Roof Curb
3. Integral Curb Duct Support
4. HVAC Unit Openings

## BY HVAC CONTRACTOR

5. Duct Work
6. Roof Deck flashed to within  $\frac{1}{4}$ " of all Duct Drops
7. HUSH SEALANT™ Acoustical Grade Caulk at Duct Drops & Curb Perimeter but not in contact with Duct Wall
8. Fiber-Free HUSH LINER™ MODEL HLM-100 (N, F)
9. Turning Vane

## BY GENERAL CONTACTOR

10. Building Steel
11. Built-Up Roof or Concrete
12. Insulation and Cant Strip

## DESCRIPTION

HUSHCORE™ **LINEAR™** System shall line the supply and return duct work with HUSH LINER™ model **HLM-100N** Non-Fiberglass open cell acoustic foam duct liner. Air Erosion Evaluation shall comply with the requirements of UL 181 section 16. HUSH LINER™ shall be resistant to microbial growth and meet a flammability rating of Class 1 per ASTM E84 and NFPA 255. HUSH LINER™ shall be installed with compatible adhesives and traditional methodologies. The SA and RA ductwork shall be lined for a minimum of 20' from the unit and where otherwise shown on the drawings. Submittals shall state acoustical performance Insertion Loss values per linear foot of duct treated across all octave bands at project velocities.

## PERFORMANCE

HUSH LINER™ (HLM-100N), natural, 1" thick - Insertion Loss (dB/ft) per ASTM E477-99

HUSHCORE™ <b>LINEAR™</b> System - Insertion Loss									
FLOW DIRECTION – FORWARD (FPM)	PD – IN.WC.	<u>63</u>	<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>8000</u>
0	0.00	0.00	0.12	0.49	2.18	4.37	2.66	2.22	2.26
1000	0.024	0.00	0.13	0.45	2.10	4.32	2.67	2.29	2.25
2000	0.094	0.00	0.09	0.43	2.05	4.30	2.77	2.35	2.23
2500	0.148	0.00	0.04	0.40	2.00	4.28	2.73	2.32	2.22

HUSHCORE™ <b>LINEAR™</b> System - Insertion Loss									
FLOW DIRECTION – REVERSE (FPM)	PD – IN.WC.	<u>63</u>	<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>8000</u>
1000	0.024	0.00	0.21	0.52	2.25	4.37	2.55	2.29	2.12
2000	0.094	0.00	0.20	0.65	2.39	4.32	2.66	2.33	1.97
2500	0.148	0.00	0.20	0.69	2.44	4.39	2.75	2.31	1.91