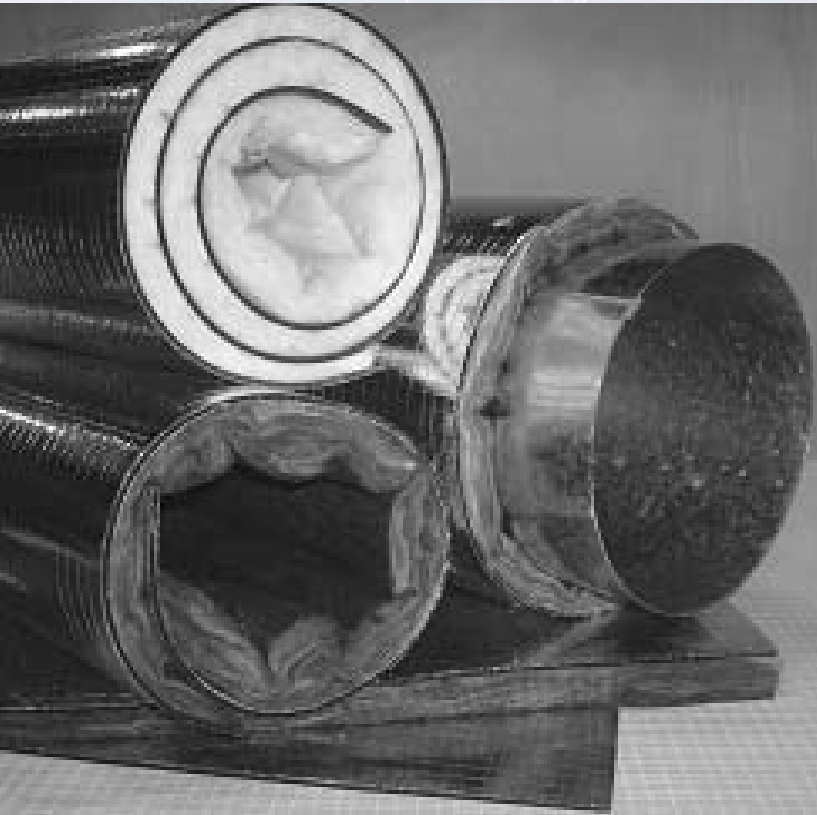


Pipe and Duct Wrap / Lagging

Pipe and Duct Wrap / Lagging



- STC ratings of 27 -31
- Standard roll size is 4' x 25'
- Class A (or I) flammability rating per ASTM E-84

Soundown's Pipe and Duct Wrap / Laggings are multi-purpose composite materials manufactured and sold in 4' x 25' rolls. These products are available in several variations to solve your specific application requirements. The products feature a faced flexible acoustic mass barrier bonded to an insulating acoustic fiberglass decoupling layer.

- Specify your choice of 1, 1.5 or 2lb/sqft mass loaded vinyl [Use the heavier barrier for low frequency noise attenuation.]

- Specify silver, grey or white reinforced protective finish.

The decoupling layer is bonded to the inside of the acoustic barrier to provide thermal and vibration insulation, it is available in 1" or 2" thickness;

- Specify your decoupler choice of quilted 2 lb/cuft nominal density acoustic fiberglass or black 1.5lb/cuft nominal density acoustic fiberglass. [Use the higher density for best attenuation results.]

Application: Pipes & Ducts

Wrap noisy pipes, waste pipes, ducts, valves, and fan housings to prevent break through noise from transmitting through the wall of the pipe or duct: measure the exterior diameter, add about 5" for overlap, cut that length from the 4ft wide roll, wrap the lagging on, tape closed with duct tape or with *matching Soundown mylar tape* - repeat.

Suspended Ceilings

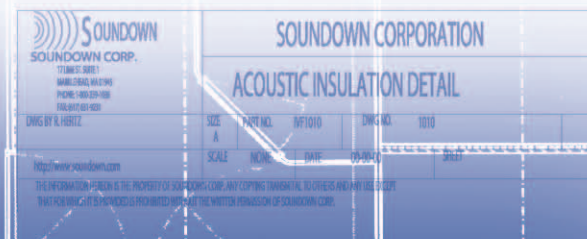
For privacy enhancement of acoustic suspended ceilings to prevent break through noise from transmitting through to the space above. Simply lay the lagging sheet on top of your ceiling panels* with the fiberglass side down. Precut 2'x4' panels are available to fit your ceiling grid for a fee. * Note: the installer must assess suitability of the ceiling grid & supports for adding additional weight.

Interior walls of home & apartment HVAC closets

Apply the lagging with fender washers and screws to the interior walls of apartment HVAC closets. To increase structureborne vibration dampening: substitute peel-n'-stick pressure sensitive adhesive to achieve full surface contact of the acoustic mass layer to your interior walls and then use the fender washers with screws. [Ask us about aspiration baffles for your interior HVAC to achieve a tight, satisfactory job.]

Interior machine cabinets

Substitute peel-n'-stick pressure sensitive adhesive to achieve full surface contact of the acoustic mass layer to your machine cabinet interior surfaces. Die and CNC cutting is available for production orders.



Product Data:

1 to 2 lb/ft² faced acoustic mass loaded vinyl barrier with/without bonded 2" nominal thickness fiberglass absorber/decoupler.

Nominal thickness	1" - 2"
Standard size	4' x 25' (custom cutting by request)
Weight	1.4 - 2.4 lb/ft ²
"R" Factor	Up to 8.0
Flammability	Smoke Density index 19.5, Flame spread index 12.5
Temperature range	20 deg F to + 350 deg F
STC	27-31
Soundown part numbers	IMT10, IMT 15 or IMT20 for 1lb, 1.5 or 2 lb/sqft

Acoustical Data:

Products	Sound Transmission Loss (dB Frequency (Hz))						STC
	125	250	500	1000	2000	4000	
IMT10	15	15	24	30	35	38	27
IMT15	16	16	26	33	37	41	30
IMT20	20	20	28	35	39	44	31



- Flexible, formable, versatile.
- STC ratings 27-31.
- Available in custom cut sizes.
- Die cut and CNC volume cutting available.

Physical Properties:

Product	Weight / mass	Thick-ness	Service temp (F)	Tensile strength (psi) ASTM D 412	Tear Strength ASTM D 624	Stiffness, MPA ASTM 749	Elongation ASTM D 412	R rating
Barrier								
LAG 10 (IMT10)	1.4 (lbs/sqft)	1/8"	-40 to 255	407	77	19.6	120	n/a
LAG 15 (IMT15)	1.9 (lbs/sqft)	3/16"	-40 to 255					
LAG 20 (IMT20)	2.4(lbs/sqft)	1/4"	-40 to 255					
Absorber/ Decoupler								
1" F'glass quilt	2lb/cuft	1" nom	-40 to 350	-	-	-	-	4
2" F'glass quilt	2lb/cuft	2" nom	-40 to 350	-	-	-	-	8
1" black F'glass	1.5lb/cuft	1" nom	-40 to 350	-	-	-	-	4
2" black F'glass	1.5lb/cuft	2" nom	-40 to 350	-	-	-	-	8

Flammability Properties:

LAG 10 (IMT10)	Class A (I) ASTM E-84,	UL94: Meets VO	FMVSS-302: pass
LAG 15 (IMT15)	Class A (I) ASTM E-84,	UL94: Meets VO	FMVSS-302: pass
LAG 20 (IMT20)	Class A (I) ASTM E-84,	UL94: Meets VO	FMVSS-302: pass

