

MAPPYSILENT PIPE LAG

Description

MAPPYSILENT PIPE LAG is an eco-friendly panel for acoustic and thermal insulation of pipes and ductwork. It is a composite material consisting of three layers: an aluminum foil finish reinforced with fiberglass scrim that provides mechanical strength and corrosion resistance; a high density flexible eco-vinyl limp available in different weights to increase the mass and to improve the sound insulation; a polyester mat to decouple the heavy barrier from the noise source. The polyester fibers are safe and do not pose any health risk. Furthermore they are environment-friendly because they are obtained from post consumer PET plastic bottles. This product is available also with different kind of decouplers such as polyether foam, elastomeric foam or polyethylene foam. Standard dimensions: nominal thickness 25 mm; width: 1000 mm or 1200 mm.

Applications

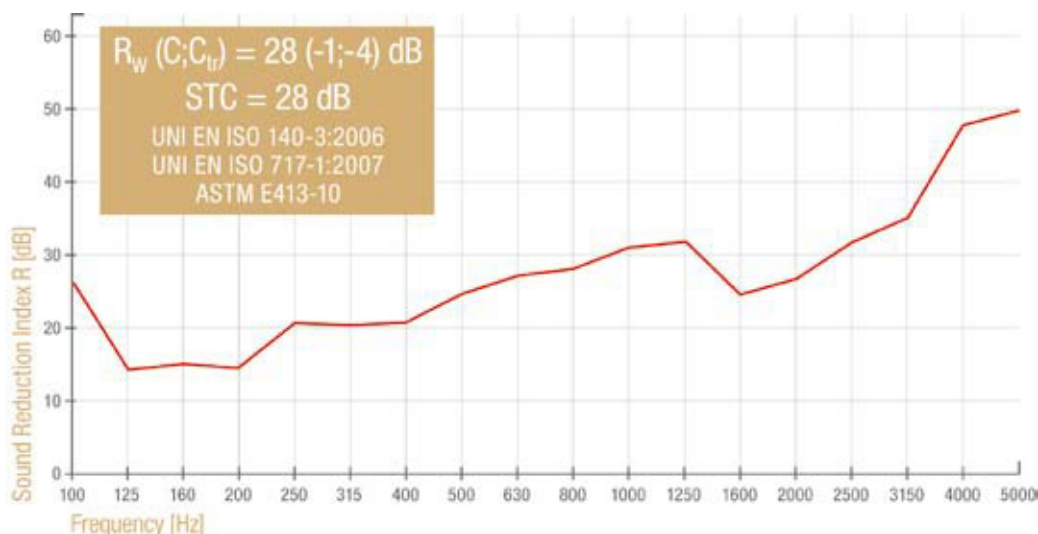
MAPPYSILENT PIPE LAG is the ideal product for acoustic correction of pipelines, HVAC ducts, outlet columns, heat exchangers, compressors and engines. The application of a protective cover, a barrier and a decoupler in a single step lowers the installation costs.

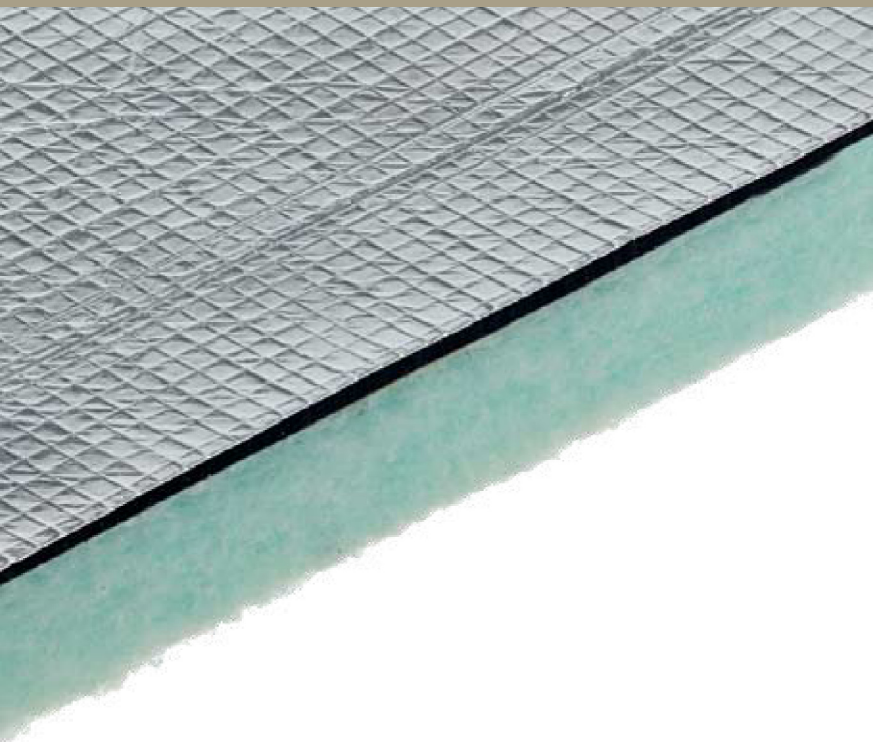


Acoustic pipe and duct lagging

ACOUSTIC CHARACTERISTICS

FREQ.(Hz)	R (dB)
100	26,7
125	14,6
160	15,5
200	14,2
250	20,8
315	20,6
400	20,8
500	25,0
630	27,9
800	28,6
1000	31,7
1250	32,0
1600	25,0
2000	27,3
2500	32,4
3150	35,2
4000	48,2
5000	50,5

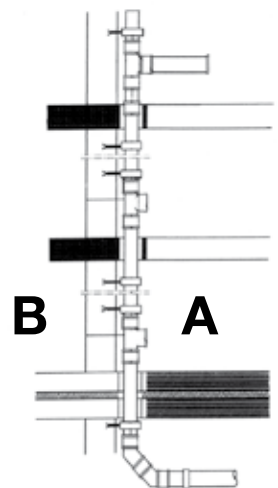




ALUMINUM	
WEIGHT	65 g/m ²
FIRE PERFORMANCE	Non combustible
ECO-VINYL BARRIER	
WEIGHT	From 2 to 10 kg/m ² upon request
FIRE PERFORMANCE	E (EN 13501-1)
POLYESTER FIBRE MAT	
DENSITY	30 kg/m ³
FIRE PERFORMANCE	B s1 d0 (EN 13501-1)

	Produced with recycled raw materials
	Respect the environment
	Exceptional acoustic and thermal insulation
	The high performances remain unchanged over time
	Does not irritate the skin of those handling it
	During installation gloves and masks are not required
	Does not rot in humid environments
	Resistant to moth attack

ACOUSTIC INSULATION SYSTEM FOR WASTE WATERS WITH MAPPYSILENT PIPE LAG



FLOW RATE		0.5 l/s	1.0 l/s	2.0 l/s	4.0 l/s
$\Delta L_{AF,10(A)}$	A Measurement in the installation area with insulated plumbing	18 dB(A)	18 dB(A)	17 dB(A)	16 dB(A)
$\Delta L_{AF,10(B)}$	B Measurement in the area behind the installation wall (e.g. pipe placed in a small technical court yard)	5 dB(A)	5 dB(A)	5 dB(A)	5 dB(A)

$\Delta L_{AF,10}$ is the difference between the measurements with and without the acoustic insulation system for waste waters.