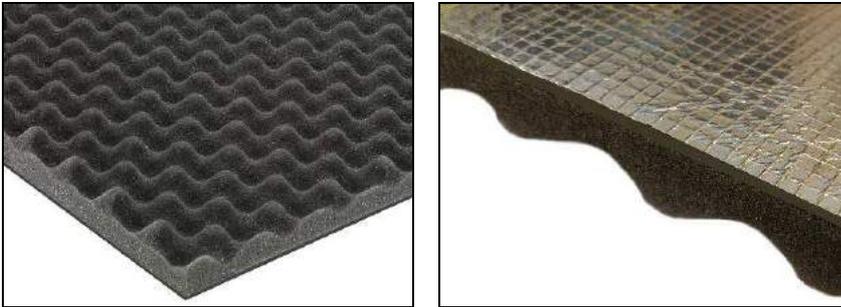


DUMP CR 110



Category

Acoustic Pipe Lagging

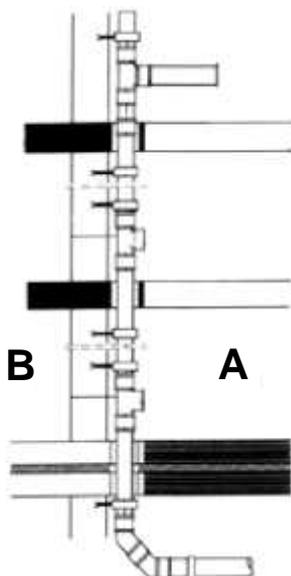
Description

DUMP CR 110 is a high-performance 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 limp available in different weights to increase the mass and to improve the sound insulation; a convoluted polyurethane foam especially formulated to be moisture resistant to decouple the heavy barrier from the noise source.

Applications

DUMP CR 110 is the ideal product for acoustic insulation 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 characteristics

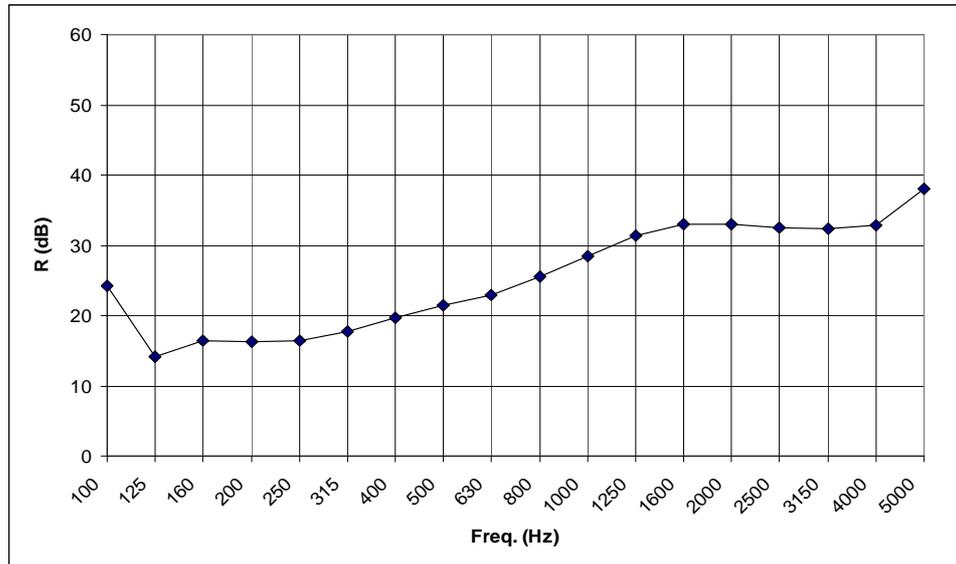


		Flow rate			
		0.5 l/s	1.0 l/s	2.0 l/s	4.0 l/s
$\Delta L_{AF,10(A)}$	A Measurement in the installation area with insulated plumbing	18 dB(A)	18 dB(A)	17 dB(A)	16 dB(A)
$\Delta L_{AF,10(B)}$	B Measurement in the area behind the installation wall (e.g. pipe placed in a small technical court yard)	5 dB(A)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

STC = 27 dB (ASTM E 413) R_w = 27 dB (UNI EN ISO 140-3, 717-1)

Freq. (Hz)	R_w (dB)
100	24,2
125	14,2
160	16,5
200	16,2
250	16,5
315	17,7
400	19,6
500	21,5
630	22,9
800	25,5
1000	28,5
1250	31,4
1600	33,0
2000	33,0
2500	32,6
3150	32,3
4000	32,9
5000	38,1



Technical data

ALUMINUM	SPECIFICATIONS	VALUES
WEIGHT		65 g/m ² ± 10%
FIRE PERFORMANCE		NON COMBUSTIBLE
VINYL BARRIER	SPECIFICATIONS	VALUES
COLOUR		ANTHRACITE
WEIGHT		4 kg/m ² ± 10% (from 2 to 10 kg/m ² upon request)
FIRE PERFORMANCE	BS476-6,7	CLASS 0
TEMPERATURE RANGE		-40 +90 °C -40 +194 °F
WATER VAPOUR RESISTANCE COEFFICIENT μ	EN 12086	> 25000
HARDNESS		80 SHORE A
CONVOLUTED FOAM	SPECIFICATIONS	VALUES
COLOUR		ANTHRACITE
DENSITY		25-30 kg/m ³ ± 10%
FIRE PERFORMANCE	UL94	HF1 (upon request)
TEMPERATURE RANGE		-20 +100 °C -4 +212 °F
ELONGATION AT BREAK	UNI EN ISO 1798	Min. 140%
TENSILE STRENGTH	UNI EN ISO 1798	Min. 90 kPa
COMPRESSION STRAIN DEFLECTION 40%	ISO 3386-1	4 kPa
COMPRESSION SET 50%, 22h, 70°C\158°F	UNI EN ISO 1856/A	Max. 50%



Mappy Italia SpA
Via Tevere 3, 20020 Cesate (Milan), Italy
Tel. +39 02.99431100 - Fax +39 02.99069773
info@mappyitalia.com
www.mappyitalia.com

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3/3

Always request the GENERAL INSTRUCTIONS FOR LAYING MATERIALS and the CONDITIONS OF SALE OF MAPPY ITALIA'S PRODUCTS before any order.



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