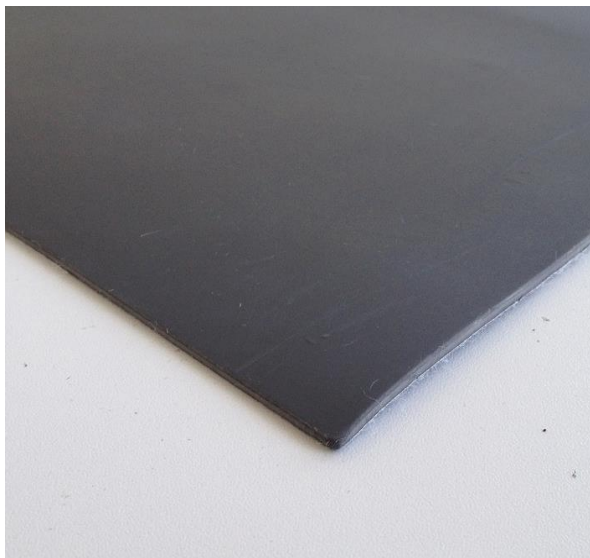


PRODUCT DESCRIPTION AND APPLICATION

ARCO MASS is an adhesive viscoelastic membrane with a surface mass of 5.0 and 10.0 kg/m² realized with a new generation elastomers. The adhesive membrane is applied to the slabs of gypsum plasterboard to increase the soundproofing power. ARCO MASS keeps its technical performance over time and it is used to existing walls between different housing units during the building renovation.



Picture of the product

GENERAL INFORMATION AND ADVICE

The wall airborne noise insulation between different housing units [R'_w] will be obtained using ARCO MASS, a product by ARCOACUSTICA Company. The product will be applied to a plaster slab coated after removing the protective film, and then it will have to place the article to the metal support structure. Membrane surface mass 5.0 and 10.0 kg/m², wall airborne noise insulation (R_w) 54.0 and 56.0 dB, membrane density 2000 kg/m³. The system implementation will have to be carried out in compliance with the instructions specified in installation procedure by the manufacturer.

SUMMARY OF MAIN FEATURES

Evaluation criterion	Procedure	Symbol	Mass ⁵	Mass ¹⁰	U.M.
Nominal thickness	IM/AL 2014	s	2.5	5.0	mm
Sheet length	IM/AL 2014	L	120.0	120.0	cm
Sheet height	IM/AL 2014	W	100.0	100.0	cm
Surface mass	IM/AL 2014	Ms	5.0	10.0	Kg/m ²
Density	IM/AL 2014	Mv	2000.0	2000.0	Kg/m ³
Thermal conductivity	EN 12667 ISO 8302	λ_D	0.25	0.25	W/mK
Elastomer D.S.C.	ISO 11357/1 ISO 357/2	C	1000.0	1000.0	J/kgK
Water vapour transmission resistance	EN 12086	μ	100.000	100.000	/
Product thermal resistance	ISO 13786 ISO 6946	R	0.01	0.02	m ² K/W
Fire reaction class	EN 13501/1	Classe	F	F	/
Elastomer lower heating value	/	LHV	38.000	38.000	kJ/kg

Warning: Other sizes are available upon request

ACOUSTIC PROPERTY

Criterio di Valutazione	Procedura	Simbolo	Mass ⁵	Mass ¹⁰	U.M.
Wall airborne noise insulation	ISO 12354/3	R_w	54.0	56.0	dB
Wall airborne noise insulation	ISO 140/4 ISO 717/1	R'_w	51.0	52.0	dB
Sheet airborne noise insulation	ISO 140/4 ISO 717/1	R'_w	32.0	35.0	dB
Increased airborne noise insulation	ISO 12354/1	ΔR_w	13.5	16.5	dB
Dynamic stiffness	ISO 29052/1	s'	250.0	220.0	MN/m ³

Warning: ArcoAcustica disclaims any civil or criminal liability arising from not compliant products using

PACKING

Evaluation criterion	Mass ⁵	Mass ¹⁰	U.M.
Pallet size	120x100	120x100	cm
Product weight on pallet	960.0	960.0	kg
Number of meters per pallet	192.0	96.0	m ²
Number of sheet per pallet	160	80	sheet

Warning: ArcoAcustica reserves to change the technical specifications of all products without prior notice.