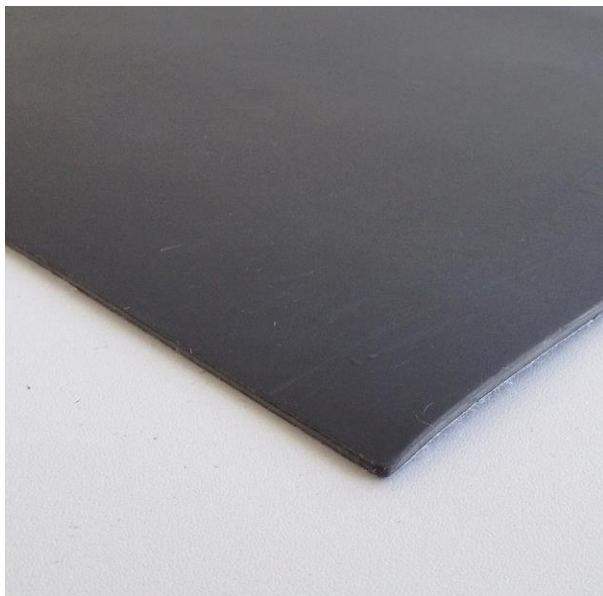


**PRODUCT DESCRIPTION AND APPLICATION**

**ARCO MASS** is a self-adhesive viscoelastic membrane with a surface mass 5.0 and 10.0 kg/m<sup>2</sup> realized with a new generation elastomers. The adhesive membrane is applied to the slabs of gypsum plasterboard, increasing their soundproofing power. **ARCO MASS** keeps its technical performance over time. The article is used for the construction of counter walls on the external walls of the building. The product application takes place mainly during the building renovation.

**GENERAL INFORMATION AND ADVICE**

The facade sound insulation for existing walls [ $D_{2m,nTW}$ ], 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/m<sup>2</sup>, wall airborne noise insulation ( $R_w$ ) 57.0 and 59.0 dB, increased airborne noise insulation ( $\Delta R_w$ ) 13.5 and 16.5 dB. The system implementation will have to be carried out in compliance with the instructions specified in installation procedure by the manufacturer.



Picture of the product

**SUMMARY OF MAIN FEATURES**

Evaluation criterion	Procedure	Symbol	Mass <sup>5</sup>	Mass <sup>10</sup>	U.M.
Nominal thickness	IM/AL 2014	s	2.5	5.0	mm
Roll length	IM/AL 2014	L	120.0	120.0	cm
Roll height	IM/AL 2014	W	100.0	100.0	cm
Surface mass	IM/AL 2014	Ms	5.0	10.0	Kg/m <sup>2</sup>
Density	IM/AL 2014	Mv	2000.0	2000.0	Kg/m <sup>3</sup>
Thermal conductivity	EN 12667 ISO 8302	$\lambda_D$	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	$\mu$	100.000	100.000	/
Product thermal resistance	ISO 13786 ISO 6946	R	0.01	0.02	m <sup>2</sup> 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**

Evaluation criterion	Procedure	Symbol	Mass <sup>5</sup>	Mass <sup>10</sup>	U.M.
Wall airborne noise insulation	ISO 12354/3	$R_w$	57.0	59.0	dB
Facade airborne noise insulation	ISO 140/5 ISO 717/1	$D_{2m,nTW}$	/	/	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	$\Delta R_w$	13.5	16.5	dB
Dynamic stiffness	ISO 29052/1	$s'$	250.0	220.0	MN/m <sup>3</sup>

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

**PACKING**

Evaluation criterion	Mass <sup>5</sup>	Mass <sup>10</sup>	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 <sup>2</sup>
Number of sheet per pallet	160	80	Sheet

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