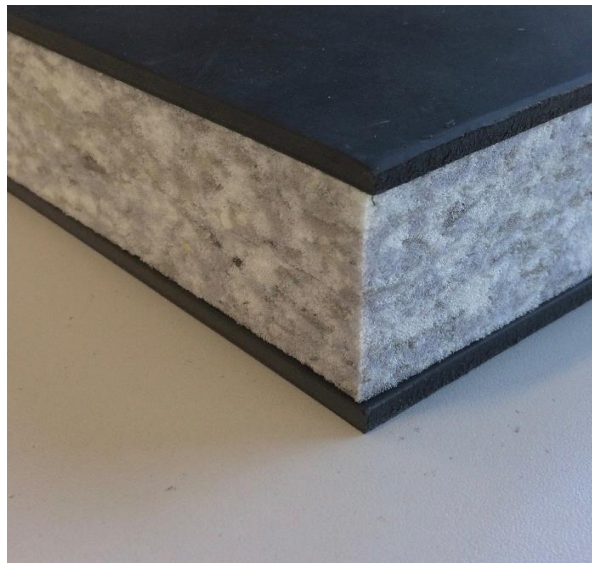


PRODUCT DESCRIPTION AND APPLICATION

ARCO WALL TOP is an eco-friendly soundproofing obtained by recycling the polyester fiber coupled with a viscoelastic membrane; the article thickness is 3.5 cm. The product is rot-resistant, it is not water-soluble, and it is not irritating to skin contact, eyes and the respiratory system. The article keeps its technical performance over time. The product is applied in hollow space of double brick walls between different housing units.

GENERAL INFORMATION AND ADVICE

The airborne wall insulation between different housing units [R'_w] will be obtained using ARCO WALL TOP, a product by ARCOACUSTICA Company. The product will be inserted in hollow space of the double walls between different housing units. The airborne wall insulation (R_w) 58.0 dB, panel's airborne noise insulation (R'_w) 33.0 dB, thermal resistance (R) 0.86 m²K/W, airflow resistance (r) 3.2 kPa*s/m². 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	Wall Top	U.M.
Nominal thickness	IM/AL 2014	s	35.0	mm
Panel length	IM/AL 2014	L	300.0	cm
Panel height	IM/AL 2014	W	100.0	cm
Surface mass	IM/AL 2014	Ms	5.2	Kg/m ²
Density	IM/AL 2014	Mv	/	Kg/m ³
Thermal conductivity	EN 12667 ISO 8302	λ_D	0.035	W/mK
Elastomer D.S.C.	ISO 11357/1 ISO 357/2	C _p	1500	J/kgK
Water vapour transmission resistance	EN 12086	μ	3.2	/
Product thermal resistance	ISO 13786 ISO 6946	R	0.86	m ² K/W
Water vapour transmission resistance	EN 12086	S _d	100000	m
Fire reaction class	EN 13501/1	Classe	1	/
Elastomer lower heating value	/	LHV	26000	kJ/kg

Warning: Other sizes are available upon request

ACOUSTIC PROPERTY

Evaluation criterion	Procedure	Symbol	Wall Top	U.M.
Airborne wall insulation	ISO 12354/1	R_w	58.0	dB
Airborne facade insulation	ISO 140/4 ISO 717/1	R'_{w}	53.0	dB
Panel's airborne noise insulation	ISO 140/4 ISO 717/1	R'_w	33.0	dB
Airflow resistance	ISO 29053	r	3.2	kPa*s/m ²
Rating of sound absorption	ISO 11654 ISO 354	α_w	0.80	/
Apparent dynamic stiffness	ISO 29052/1 ISO 29053	s'_t	4.0	MN/m ³
Dynamic stiffness	ISO 29052/1	s'	/	MN/m ³

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

PACKING

Evaluation criterion	Wall Top	U.M.
Pallet size	200x100	cm
Product weight on pallet	780.0	kg
Number of meters per pallet	150.0	m ²
Number of panel per pallet	50	Panel

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