

PRODUCT DESCRIPTION AND APPLICATION

ARCO FACILE is an impact noise system realized with a new generation elastomers of thickness respectively of 3.0 and 6.0 mm. This product has an adhesive side for fixing of wood finishing. The product is 100% recyclable, it is rot-resistant, it is not water-soluble, it is not irritating to skin contact, eyes and the respiratory system. The system has used in existing structures in renovation and the product is applied to dry below the wood flooring.



ACOUSTIC SYSTEM

GENERAL INFORMATION AND ADVICE

The impact noise insulation [L'_{nW}/L'_{nTW}] will be obtained using ARCO FACILE, a product by ARCOACUSTICA Company. The artefact has impact noise reduction (ΔL_w) 20.5 and 26.7 dB, absolute reduction reflected noise (RWS) 14.8 and 19.5 (dBA) and percentage reduction reflected noise (RWS) 45.0 and 65.0 (%). 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	Facile ^A	Facile ^B	U.M.
Nominal thickness	IM/AL 2014	s	3.0	6.0	mm
Roll length	IM/AL 2014	L	20.0	10.0	m
Roll height	IM/AL 2014	W	150.0	150.0	cm
Dynamic stress by footsteps	CEN TS 16354	DL	>100000.0	>500000.0	cicli
Solicitation from static loads	CEN TS 16354	CC	75.0	21.0	kPa
Temporary loads solicitation	CEN TS 16354	CS	180.0	65.0	kPa
Protection against falling objects	CEN TS 16354	RLB	>1600.0	>1900.0	mm
Compressibility	EN 12431	C	CP1	CP1	mm
Compression stress	ISO 3386/1	CV ₁₀	45.0	25.0	kPa
Water vapor permeability	CEN TS 16354 ISO 13786	SD	3.0	1.5	m
Thermal conductivity	EN 12667 ISO 8302	λ_D	0.055	0.065	W/mK
Product thermal resistance	ISO 13786 ISO 6946	R	0.06	0.09	m ² K/W
Density	IM/AL 2014	Mv	280.0	280.0	Kg/m ³
Creep	EN 1606	/	/	/	mm

Warning: ArcoAcustica suggests the handling of the rolls in the works carried out by two people.

ACOUSTIC PROPERTY

Evaluation criterion	Procedure	Symbol	Facile ^A	Facile ^B	U.M.
Apparent dynamic stiffness	ISO 29052/1	s ³ t	107.4	55.2	MN/m ³
Airflow resistance	ISO 29053	r	>100.0	>100.0	kPa*s/m ²
Dynamic stiffness	ISO 29052/1	s ³	107.4	55.2	MN/m ³
Measure footfall noise reduction	ISO 140/7 ISO 717/2	ΔL_w	20.5	26.7	dB
Absolute reduction reflected noise	IHD/W 431	RWS	14.8	19.5	dBA
Percentage reduction reflected noise	IHD/W 431	RWS	45.0	65.0	%

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

PACKING

Evaluation criterion	Facile ^A	Facile ^B	U.M.
Pallet size	80x120	80x120	cm
Product weight on pallet	145.0	145.0	kg
Number of meters per pallet	180.0	90.0	m ²
Number of rolls per pallet	6	6	Rotoli

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