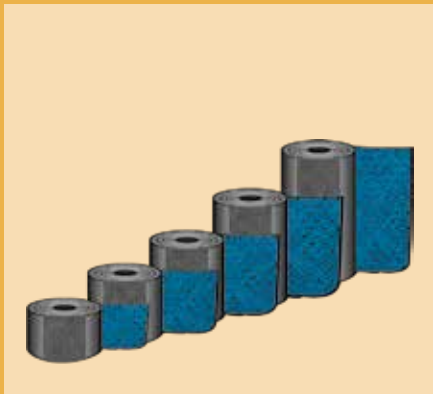






# FONOSTRIP

ELASTOMERIC SOUND-DAMPING STRIP



CHARACTERISTICS	ENVIRONMENTAL		
			
ACOUSTIC INSULATION	ECO GREEN	RECYCLABLE	SAFE WASTE

## 1 PROBLEM

Walls rigidly connected to the floor slab transmit noise also indirectly through the floors and the side walls.

## 2 SOLUTION

It is good practice to separate the wall at least from the floor slab with a strip of insulation material.

The acoustic benefit is 2÷4 dB.

Obviously, this solution should be carefully assessed if building in a seismic zone.

The use of plastic or too easily compressible materials could lead to cracks between wall and ceiling.

**FONOSTRIP** is an elastomeric sound-damping strip lined on both sides with a film of 4-mm thick polypropylene fibres which, laid under the dividing walls, prevents the

transmission of impact and vibrations on the floor slab.

**FONOSTRIP** is made of a special alloy of reinforced elastomers, with high permanent elasticity, which dampens the vibrations of the wall resting on it.

The non-woven polyester fabric reinforcement prevents deformation under loads of the elastomeric alloy, avoiding the formation of cracks between wall and ceiling.

The surface textile finish of **FONOSTRIP** ensures good adhesion to cement mortar.

If the floors of the two rooms separated by the wall are made with the "floating screed" technique, then the transmission of noise will be reduced even further.

## APPLICATION FIELDS

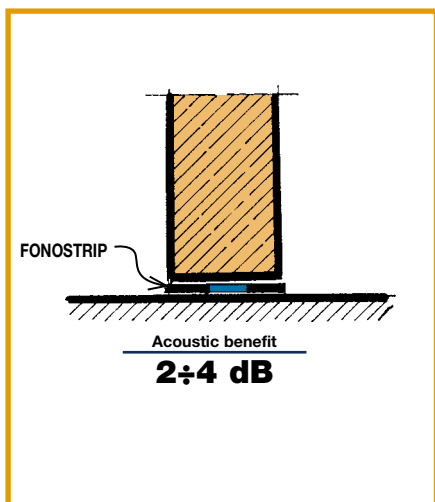
**FONOSTRIP** is used under indoor dividing walls, dividing walls between apartments and false-ceilings of exterior perimeter walls.


## METHOD OF USE

**FONOSTRIP** is supplied in strips of various heights and will be chosen at least 1÷2 cm wider than the thickness of the wall to be insulated.

Lay the **FONOSTRIP** strip in dry state on a sufficiently smooth laying surface. Centre the wall over it, making sure that **FONOSTRIP** protrudes from both sides of the wall in order to avoid rigid connections to the floor slab, which would create "acoustic bridges". Any mortar protruding from the insulation strip must be removed.

To guarantee insulation continuity, accurately seal the joining lines of the **FONOSTRIP** strips, using the super-adhesive SIGILTAPE.



		<b>FONOSTRIP</b>				
Thickness (*)	UNI 9947	approx. 4 mm				
Roll size		0.14 × 10.0 m	0.20 × 10.0 m	0.25 × 10.0 m	0.33 × 10.0 m	0.40 × 10.0 m
Width of the phonoresilient foil		14 cm	20 cm	25 cm	33 cm	40 cm
Impermeability	EN 1928	Water proof				
Aqueous vapour diffusion coefficient (phonoresilient foil)		μ 100 000				
Thermal conductivity λ		0.170 W/mK				
• of the phonoresilient foil						
Dynamic stiffness	UNI EN 29052 p. 1°					
• under a load of 200 kg/m <sup>2</sup>		s' = s't = 449 MN/m <sup>3</sup>				
• under a load of 400 kg/m <sup>2</sup>		s' = s't = 937 MN/m <sup>3</sup>				
<b>Certification</b>						

(\*) Any variations in the thickness of the rolled product have no effect on its performance when installed.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

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