

FONOELAST MONO

READY-TO-USE SINGLE-COMPONENT ELASTOMERIC VIBRATION DAMPING SEALING PASTE



20 kg tub

CHARACTERISTICS			ENVIRONMENTAL		METHOD OF USE	
ONE-COMPONENT	WATER-BASED	ACOUSTIC INSULATION	ECO GREEN	RECYCLABLE	APPLY WITH A STAINLESS STEEL TROWEL	APPLICATION TEMPERATURE +5°C +35°C

1 PROBLEM

The use of normal cement mortar to connect the perimeter of dividing walls between different dwellings to the ceiling and the adjacent walls determines a rigid bond that favours flanking transmissions of noise. The use of perimeter separation strips, which definitely offer a better performance in terms of the containment of flanking transmissions of noise, also involves problems of poor adhesion and reduces the stability of the dividing brick wall.

2 SOLUTION

FONOELAST MONO is an elastomer-based paste, which improves elasticity and adhesion. The paste is easy to work and sticks excellently to the support. Once set, it creates an elastic coating around the perimeter of the walls, which reduces the vibrations of the acoustic pressure waves that are transmitted to the structure laterally (lateral transmissions).

APPLICATION FIELDS

FONOELAST MONO is used to skim all normal indoor and outdoor supports in concrete, cement+lime mortar or cement mortar, cement foam, plaster, brickwork etc. **FONOELAST MONO** is used to create elastic perimeter seals with efficient features of resistance to compression and of adhesion to all types of supports, maintaining its elastic properties over time. The level of adhesion provided by **FONOELAST MONO** is much superior to that of normal building site mortar.

FONOELAST MONO, thanks to its elasticity and laying simplicity, is an excellent solution for insulating concrete staircases against foot traffic noise (internal tests highlight that the reduction index of foot traffic noise with a layer of 4÷5 mm of **FONOELAST MONO** is around 10 dB) and also for correcting existent floor slabs (by removing the existent flooring or directly on the actual flooring, you can separate the tiles, safeguarding the heights

and improving comfort considerably). Thanks to its excellent adhesion to all types of supports (polyurethane, wood, aluminium etc.), **FONOELAST MONO** is also used to seal and fill-in the air spaces of door and window counter-frames.

according to the type of support involved. The surfaces to be treated must be as flat as possible to avoid having to build up thicker parts, which consequently involves high consumptions of material.

The paste is ready-to-use.
Application. The product is laid evenly using a stainless steel trowel. One or more coats can be applied one after the other. The application thickness is 3-5 mm. To seal the counter-frames, you are recommended to use a piping bag or the 1 kg bag, cutting the corner of the bag to measure and squeezing the product out. When sealing the counter-frames, do not apply thicker than 2 cm.

METHOD OF USE

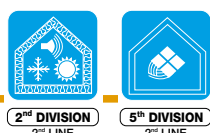
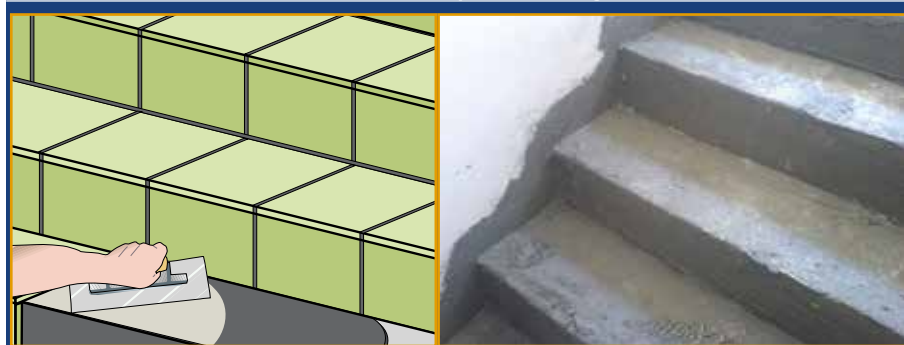
Substrate preparation.
The support must be compact and perfectly clean, free from dust, loose parts, oil and dirt in general. The surfaces must be free from stagnated water. Any irregular parts are to be filled-in in advance with suitable mortar

(See following)

FONOELAST MONO can be used around the whole perimeter of the wall.



FONOELAST MONO, used on stairs as a separating layer, guarantees a damping level of "impact noise" of shared parts of buildings



FONOELAST MONO

Aspect	Creamy paste
Specific weight	1.50 ± 0.05 kg/dm ³
Application temperature	+5°C ÷ +40°C
Adhesion to substrate	>1 N/mm ²
Resistance to vapour diffusion	μ > 1 500
Dynamic stiffness under a load of 200 kg/m ²	approx. 400 MN/m ³
Flammability	NO
Storage	12 months

(See previous)

CONSUMPTION

1,5 kg/m²×mm of thickness.
1.5 kg/dm³.

WARNINGS

- Minimum application temperature +5°C.
- Do not add water or other material to the mix.

- Do not apply too thick.
- Protect from rain while the product is setting.
- Clean the tools with water after use.

Attenuation of foot traffic noise on the steps of a stairway Measurement on site.

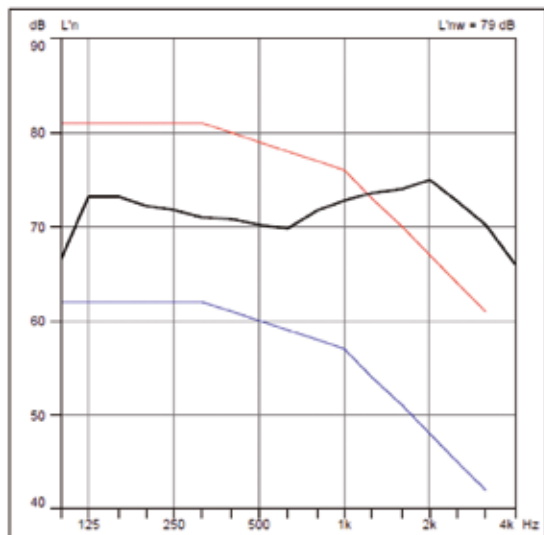
FONOELAST MONO can be used as a separating layer on concrete stairs prior to installation of the ceramic tiles in place of FONOPLAST AB and as a valid aid in limiting foot traffic noise on ceramic, stoneware and other rigid floors. In very difficult cases, when the legal noise limit has not been achieved and a court case is in progress, FONOELAST MONO can be the ideal solution: it is very low cost, is easy to install, and can increase the foot noise insulation index by around 10 dB.

We give below the results of the tests run by our in-house laboratory on a floor of considerable size (volume of receiving room 212.5 m³).

Test 1

Panel floor, lightweight Predalles type, thickness 4+20+5 cm;
Cement/sand screed, thickness 10 cm;
Existing ceramic floor

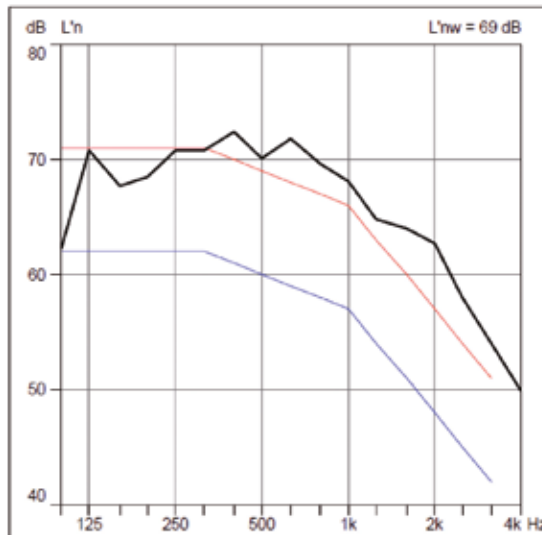
$L'_{n,w} = 79$ dB



Test 2

Panel floor, lightweight Predalles type, thickness 4+20+5 cm;
Cement/sand screed, thickness 10 cm;
Existing ceramic floor
FONOELAST MONO thickness 3 mm
MASTIFLEX tile adhesive
Ceramic floor with FUGOFLEX 2-12

$L'_{n,w} = 69$ dB



In conclusion, when we compare the two values of the normalised foot traffic sound reduction index for the floors, it is clear that the following benefit is obtained:

$\Delta L'_{n,w} = 10$ dB

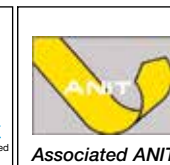
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