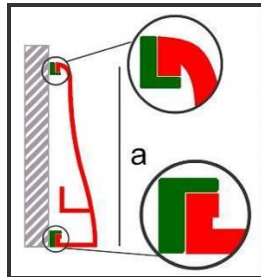


NovoRodapié[®] Esp. Aislamiento Acústico

a: 70 mm.

Length: 250 cm.

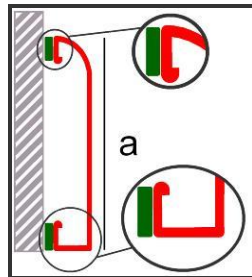
Material: Aluminium +
 Acoustic Absorption Band.



a: 60 mm.

Length: 250 cm.

Material: Stainless Steel +
 Acoustic Absorption Band.



NOVORODAPIÉ[®] ESPECIAL AISLAMIENTO ACÚSTICO

The NovoRodapié[®] with adhesive insulating band is born to complement and finish the installations, which expect to get quality and well-being through the acoustic insulate. This protection must be graduated and adequate according to comfort and functionality criteria (depending on the developing activity) and, submitted to the compulsory after the implementation of the new Building Technical code in referred to noise.

An increasing noise from the traffic on the streets, the railway, the air traffic zone or the zones of outdoors activities produces continuous nuisances. The consequences are concentration difficulties and insomnia, and even the possibility to suffer serious illness.

The achievement of the correct acoustic insulate in the construction is one of the main challenge of this sector nowadays. The required level of the consumer referred to the building increases day by day and the life quality depends on different key factors, as the acoustic insulate.

Solution for the new building requirements: Coming into force of the Basic Document about Protection against the noise

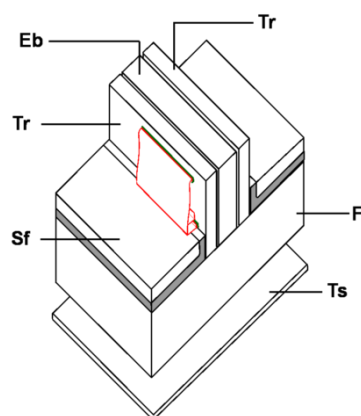
The Spanish cabinet has approved the implementation of the Basic Document about Protection against the noise in May 2009. In this document is detailed the requirement of the building acoustic insulate, guarantying the well-being and the better health of the people who use these buildings.

When this document comes into force, buildings must be quieter, obeying the compulsory norm that increases the required levels of insulate against air and impact noise.

CONCEPT OF ACOUSTIC ABSORPTION

When a sound source emits acoustic energy, the sound waves propagate from it in form of spherical wave if they do not find any obstacle in their way.

When an acoustic wave comes into contact with the surface of an obstacle, a part of the energy of this wave is reflected, other part is transmitted, and the other is retained by the material. This phenomenon is called acoustic absorption.



Element of separation TYPE 1

Eb: Constructive Element base of factory or heavy prefabricated panels (one or two leaves)

Tr: Backing Board

F: Brick nog

Sf: Floating ground

Ts: Suspending ceiling

Because of that fact, several systems of absorption of impact noise are born, and they are the most easy to use, between the acoustic solutions in a building construction.

RULES

In the **CTE-DB-HR** section 3. 1. 4. 2. 1 Meetings with the vertical elements, is written: "The contacts with the floating floor and the vertical separation elements, pillars, partitions with direct support must be eliminated, and to do that a layer of plastic material or of the same impact noise insulating material of the floating floor will be placed between them."

The reflected part of that energy creates a nuisance in-situ, and this nuisance will depend on the amount of reflected energy.

For this reason it is important to maintain a proper insulation install materials that are capable of absorbing the reflected energy. On the other hand should be avoided acoustic bridges that facilitate the transport of reflected energy from the waves responsible for the noise impact.

Emac[®] SOLUTION

Emac[®] solves with the insulating Novorodapié[®] the meetings between the insulated floors through any kind of membrane and the partitions or vertical facings. This meeting has a special importance because it has been done an investment in the insulator that, in case that it will not finish with products like the Novorodapié[®], will loose its insulating capacity.

The left sketch represents the installation of the skirting board with insulating band, placed in a meeting of floor and insulated partitions. Thanks to this band, the skirting board avoids the audible transmission between the floor and the wall, contributing to the best building acoustic adaptation.

In all compositions of separation elements that appear in the CTE (As much type 1, as the 2 and the 3) is necessary the presence of a camera that insulates the floating ground of the backing board, avoiding an acoustic bridge between both elements. The Novorodapié[®] adapts oneself to anyone of these constructive compositions, avoiding the loss of the sound insulation.

INSULATING MATERIAL PROPERTIES

The adhesive insulating band is made of polythene foam of closed-cell. The cross linking process of the foam gives a better seal, more flexibility and greater capacity for insulation.

This material is not only known for its excellent noise absorption capacity (capacity that leads to be used on cement floors under tile or parquet) but also presents excellent heat insulation.

PLACEMENT

1. Firstly the zone where the skirting board will be placed must be cleaned.
2. If you want to fix it with silicone, you must do small volumes sized as a walnut approximately and make sure that the material will contact with the skirting board and the wall. If you prefer to fix it through cement, it is possible in the same way that with silicone. You must to form small volumes with abundant adhesive material in order to secure the contact between the skirting board and the wall.
3. Then, fix carefully on the wall, checking that the fixing material gets in touch.
4. Finally, clean the spare material and let it dry.

TECHNICAL INFORMATION

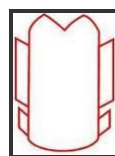
You can download the technical characteristics of the materials that the Novorodapié[®] is made of, as well as tips for cleaning and maintenance of them in www.emac.es

This fact makes the polyethylene foam is used to insulate pipes from heating systems.

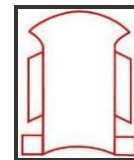
Its closed-cell structure gives a very low water absorption coefficient to the material. This characteristic and its resistance to the contact with chemical products (weak acid and alkaline substances) and to the fungal attack, makes that this material adapts in an effective way to the application on skirting boards, because it will resist adequately the cycles of cleaning of the pavements where is placed.

COMPLEMENTARY PIECES

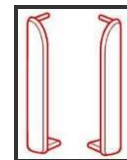
Remember that are available the additional pieces for the Novorodapié[®] Stainless Steel, which you will get a perfect finish on corners and finishes with.



S (exterior angle)
Material: Stainless Steel



R (interior angle)
Material: Stainless Steel



T (Left and right cover).
Material: Zamak.

In order to maintain the property of acoustic insulate, you must install these pieces with silicone or other polymeric adhesive, able to absorb the waves responsible of the impact noise.



www.emac.es

In www.emac.es you can download for free the Technical Manual of Profiles, where you will find information about all our profiles, its features, advices for cleaning and maintenance of the materials on which they are made, as well as, special applications and regulations and by-laws that affect our products. If you have some query or question, please contact with the technical office: otecnica@emac.es