

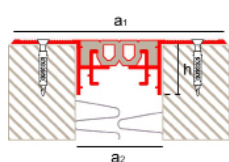
Novojunta Pro® Non-sliding





Novojunta Pro® Non-sliding is a profile made of aluminium and EPDM rubber, intended to be placed in structural joints overlapped once the installation of the flooring or wall is finished. It absorbs stresses and strains and is suitable to support traffic of light loads. It is delivered ensambled and its installation is very easy. It is available in silver matt color with black rubber.

Model registered as a community design
Nº 869891-4

General Features



Material:	Anodized aluminium + rubber	Aluminium + rubber
Lenght:	2,5 m.l.	
Dimensions:	h: 3/4" / 20 mm. a1: 3-7/16", 1-5/16" / 87, 97 mm. a2: / 34 mm.	
Packaging:	6 u./box	

Finishes:		
	10	10

Joint width (a ₂)	Expansion/contraction movements	Total movement
1.3" / 34 mm.	+/- 0.2" - +/- 5 mm.	0.4" / 10 mm.
1.7" / 44 mm.	+/-0.3" - +/- 7 mm.	0.5" / 14 mm.

Applications

Buildings and constructive elements are under geometric variations and deformations. The installation of expansion joints helps to minimize the effects that these variations have in the building, preventing the apparition of structural damage.



The CTE (Spanish Technical Code of Building), in the DB-SAE (Document about actions in building), states that in steel or concrete buildings is necessary not to let continuous elements longer than forty meters without installing expansion joints.

Novojunta Pro® Non-sliding is a solution for structural joints consisting of an structure made of anodized aluminium and a central body made of high quality EPDM rubber. This profile absorbs deformations and strains caused in constructive elements and avoids the apparition of cracks or other pathologies. It can be placed vertically or horizontally both in floorings and walls. The aluminium of the structure has the quality seal Qualanod, which allows its installation indoors and outdoors guaranteeing a high durability. The central rubber can be replaced once its useful life is finished.

Novojunta Pro® Non-sliding has a striated face side which gives it non-slip properties and makes it perfect for floorings. This profile is able to support traffic with light loads.

Technical Features

Alloy	6063 L-3441	AA y ASTM UNE 38-301-89
Fire resistance	M4	UNE 23-727-90
Weatherability	Very good	
Ozone resistance	Yes	ASTM D1149
Elongation to break	>300%	ASTM D412
Working temperature	-40°C / +120°C	UNE 53535
Air thermal aging (70°C/70 h.)	Hardness variation 5 shA Breaking load -15% Elongation -40%	ASTM D573

Materials

ALU Aluminum



Novojunta Pro® Non-sliding is a profile made by extrusion of aluminum. These profiles have been anodized, improving mainly by this process their corrosion and mechanical resistance and their appearance. The anodized applied, has the quality seal "Qualanod" which guarantees the quality of the process and the resulting profiles. This seal regulates several tests: appearance and color, thickness measurements, sealing and impregnation control, abrasion resistance, lightfastness, acetic saline chamber and nitric acid immersion.

Aluminum is a material with excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable.

Aluminum is a high valued raw material and it is widely used in several sectors, specially construction. Its transformation processes are multiple, so it can get very different geometries with high performance. This is a recyclable material.

EPDM EPDM

The central body of **Novojunta Pro® Non-sliding** is made of high quality EPDM rubber. EPDM is an elastomeric polymer with excellent mechanical properties. It has good resistance to abrasion, wear and impact, is well insulated, is weather resistant and most common chemicals and its working temperature range is wide.

His excellent recovery after compression is the key to absorb deformations and geometric variations of the construction elements.

Traffic loads supported



Novojunta Pro® Non-sliding is able to support **traffic of light loads**.

It allows traffic category F, according to ACI (American Concrete Institute) Standards **302.1R-89** and **360.1R-92**, for light vehicles with load <= 30 kN and <= 8 seats excluding the driver.

Trucks classification FL1 according to ACI (American Concrete Institute) Standards **302.1R-92** and **360.1R-92**, with pneumatic or rigid wheels with net weight 21 kN and load up to 10 kN. It allows static load lower than 1t/m² and the pass of vehicles with pneumatic wheels minor than 1t/axis, according to the classification of light loads over floors (NTE-RSC).

Focused linear load 0,5 kN.

This classification has been obtained from Standards **ACI 302.1R-89** (Guide for concrete floors and construction slabs, referring to the magnitude of the load they can support) and **ACI 360.1R-92** (Design of the different degrees of floors, which describe the six common types of floors for construction referred to the actions induced by trucks and transport vehicles) and the classification of trucks (depending on the net weight, dimensions and load which transport).

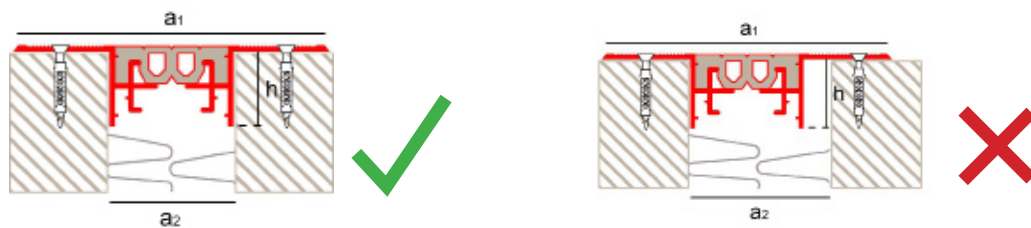
Installation

Novojunta Pro® Non-sliding is delivered ensambled and it is easy to install. This profile has been designed to its placement after installing the flooring or wall tiling. It is installed overlapped.

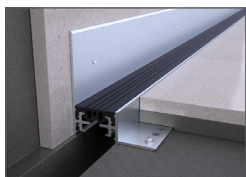
1. Clean the surfaces and the hole for the joint where the Novojunta Pro® Non-sliding is going to be installed.
2. Mechanize the hollows for the anchoring screws at 100 mm. from every side and 460 mm. between them.
3. Insert the anchoring and fix it following the recommendations of the manufacturer. It is recommended to use Fischer SX 6x30 or similar using the same distances detailed before.
4. Remove the protective film

The recommended anchoring screws have been dimensioned according to the efforts that the joint will have to support throughout their useful life. You will have to consider this if you choose a different anchoring.

Novojunta Pro® Non-sliding must be installed in joints with its same width. Do never install the profile in a larger joint.



Perimetral areas



Novojunta Pro® Perimetral Superior

Novojunta Pro® Non-sliding is a profile for structural joints in floorings and walls. For the solution of structural joints in perimetral areas, is available the model Novojunta Pro® Perimetral Superpuesta. This profile has a design consistent with the Novojunta Pro® Aluminium, so it is the perfect complement for the confluence areas with constructive elements and perimetral areas. To find out more information, check the Technical File of the product available in our website www.emac.es.

Cleaning and maintenance

The cleaning must be done periodically with a soft cloth. If you use a neutral liquid cleaner, you must rinse the profile with cold water and dry to remove excess moisture. If dirtiness persists, clean the profile with a solution with clean water and detergent or neutral soap 5%, brushing with a cloth that has no particles that could scratch the finish.

Steel wool, abrasive cleaners, souring products as well as strong acids (hydrochloric and perchloric), strong bases (caustic soda or ammonia) or carbonated solutions are not recommended. Citric acid is neither recommended because it dissolves the protective layer of the surface of aluminium. Waxes, petrolatum, lanolin or similar substances are not appropriate. Solvents containing haloalkanes (hydrofluoroether and chlorinated solvents) and curing accelerators containing chlorides should not be used (use special accelerators free of chlorides)

Technical Information

You can find more information about the technical features of the Emac®'s products by downloading its Technical File in www.emac.es.

If you have any query, please contact our Technical Department in tecnico@emac.es.



Outdoors



Indoors



Wall tiling



Floorings



Recyclable