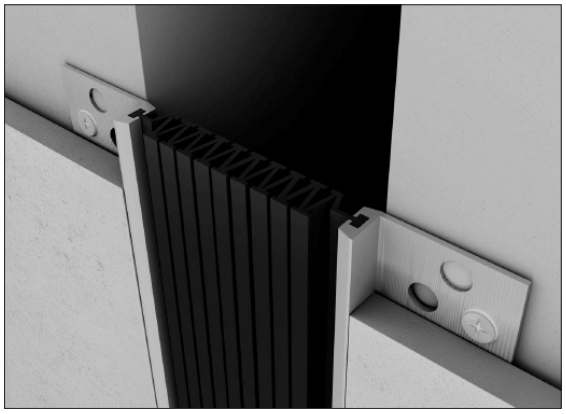
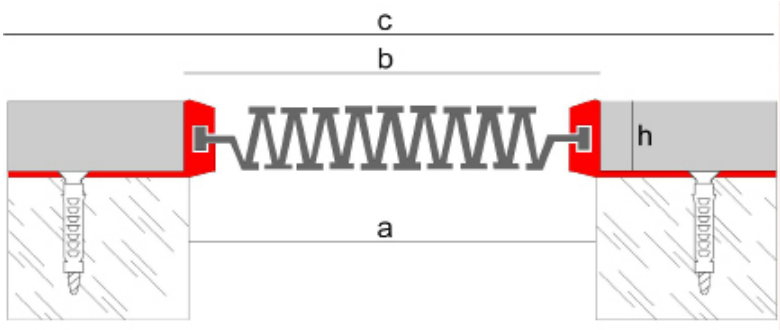


Novo**junta® Pro PA**

Novojunta® Pro PA is a system of profiles intended to be placed in vertical joints both outdoors (facades) or indoors before work. This model consists of two aluminum sides drilled for the fixing screws and a central body made of high quality elastomeric rubber with high capacity of movement absorption. This makes the profile the perfect solution for areas with high seismic risk.

General features

Material:	Natural aluminum + elastomeric rubber
Lenght:	3 m.l.
Finishes:	Black 9005



REFERENCE	JOINT WIDTH (a)	PROFILE HEIGHT (h)	MIN. JOINT WIDTH	MAX. JOINT WIDTH
NJPPA2050	20 a 40 mm	15 mm	10 mm	50 mm
NJPPA50120	50 a 100 mm		25 mm	110 mm
NJPPA100160	80 a 150 mm		50 mm	170 mm
NJPPA120200*	120 a 200 mm		80 mm	220 mm
NJPPA260390*	170 a 300 mm		130 mm	340 mm

** With intermediate aluminum joint piece*

Applications

The buildings and constructive elements are under strains caused by thermal variations. The installation of expansion joints helps to minimize the effects that these variations cause in the whole building, preventing a possible structural damage.

The **CTE (Spanish Technical Building Code),** 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.

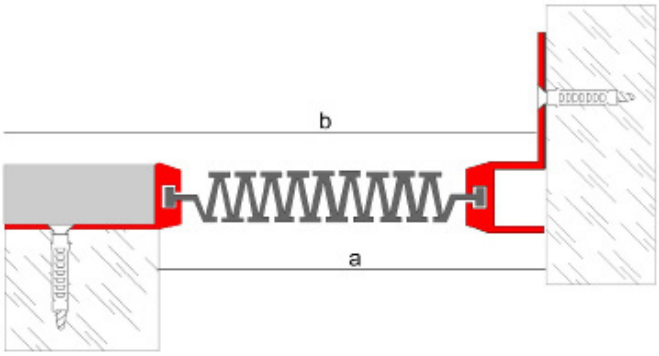
Novojunta® Pro PA is a solution specially designed to be placed in vertical joints with big size and high requirements of movement (**areas of seismic risk**). This profile absorbs the stresses and strains caused in constructive elements, preventing from cracking and other pathologies.

R03.002_14/07/2020

Technical Features

Aluminum	
Alloy	6060 (UNE 38350:2001)
Fire resistance	M0 (UNE 23-727-90)
Abrasion resistance	Very good
Lightfastness	Excellent
Elastomeric rubber	
Elongation to tear	400% (ISO 527)
Break resistance	16 MPa (ISO 527)
Compression set	70ºC / 25% - 24 h:52% (ISO 815A)
Torsional rigidity	T 300 Mpa -55% (ISO 458/2)

Other configurations



Novojunta® Pro PA has an overlapped fixing wing to allow the installation in perimeter joints.

Materials

Aluminum

The side profiles of **Novojunta® Pro PA** are entirely made of aluminum extrusion. TThe aluminum is a raw material with excellent chemical and physicomechanical properties. It is light, tough, ductile, malleable and highly durable. It has a great resistance to fire and corrosion.

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.diferentes con altas prestaciones. Es un material reciclable.

Elastomeric rubber

The rubber of **Novojunta® Pro PA** is made of high quality elastomeric rubber. This rubber can absorb multidirectional movements and has excellent mechanical properties: great elasticity, weatherability and UV resistance, moisture and abrasion resistance and is also resistant to extreme temperatures (-30ºC/+120ºC).

Its excellent compression set is the key in its function as expansion joint, as it allows the movement caused by stresses and strains in constructive elements.

Installation

The model **Novojunta® Pro PA** is delivered **unmounted** and drilled to be fixed with fixing screws. You will receive the aluminum profiles and the rubber per rolls (21 lm). Please, follow these steps to install the expansion joint:

1. Be sure that the surface to install the Novojunta® Pro PA is free from dust and grease
2. Mark and drill the holes to install the plugs.
3. Pre-assemble the joint by introducing the rubber on the side profiles.
4. Place the profile, adjust it to the width of the joint and fix it.
5. Continue the work by placing the tiles over the fixing wings and finish the installation.

Cleaning and maintenance

When installed outdoors, mainly in facades, and due to the minor accesibility, the rain will be the agent cleaner.

The installation of this profile is exclusively vertical, so it is not expected to have persistent dirtiness. To clean it, use a dampened cloth with a neutral cleaner that do not damage metal or rubber.

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 disolves 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 out more information about the technical features of the Emac®'s products by downloading its Technical Files in **www.emac.es.**

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

Outdoors Indoors Wall tiling

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