



## Novojunta® Pro PA SP



**Novojunta Pro® PA SP** is a system of overlapping profiles with a wide range of movement especially indicated for installation in vertical joints and ceilings in seismic risk areas. It can be installed in joints up to 80 mm wide. These profiles are made of aluminum and are supplied drilled for the placement of the fastening screws, which are flush with the surface. The EPDM rubber resists weathering, thermal variations, wear and moisture. Available in black and gray with grooved finish.

### 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.

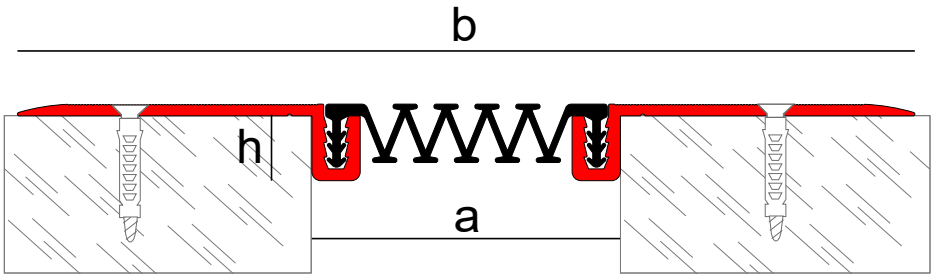
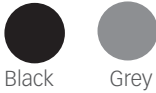
**Novojunta® Pro PA SP** is a solution specially designed to be placed in vertical joints with big size and high requirements of movement (areas of seismic risk). This profile absorbs the stresses and strains caused in constructive elements, preventing from cracking and other pathologies.

General features

Material: Natural aluminum + EPDM

Length: 2,5 ml

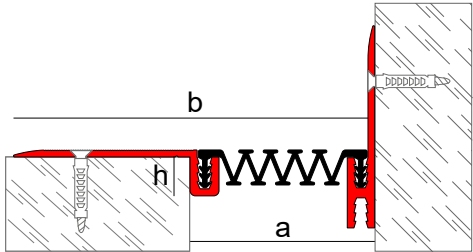
Finishes:



Reference	Color	Finish	Joint width (a)	Height (h):
NJPPASP50*	Grey/ black	Ribbed	50 mm (2")	11 mm (7/16")
NJPPASP80*			80 mm (3-1/4")	

Perimeter option

Novojunta® Pro PA SP has a reversible special piece available to be installed as perimeter joint.



Technical Features

Hardness	65 shore A	ASTMD2240
Weatherability	Very good	
Ozone resistance	Excellent	ASTM D1149
Elongation to break	300%	ASTM D412
Breaking load	10 Mpa	ASTM D412
Tensile strength	27 N/mm	ASTM D624 die C
Compression 22 h 70°C	25%	ASTM D395 Met B
Working temperature	-40°C / +120°C	
Air thermal aging (70°C/70 h.)		
	Hardness variation 5 shA	
	Breaking load -15%	ASTM D573
	Elongation -40%	

### Materials

#### Aluminum

The side profiles of **Novojunta® Pro PA SP** are entirely made of aluminum extrusion. The aluminum is a raw material with excellent chemical and physicommechanical 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.

#### EPDM

The central body of **Novojunta® Pro PA SP** 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 to most common chemicals and it has a wide working temperature.

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

### Instalación

The model **Novojunta® Pro PA SP** is delivered **unmounted** and drilled to be fixed with fixing screws. You will receive the profiles and the rubber roll separately. Follow these steps to install the profile:

1. Clean the surfaces to install the profile
2. Place the aluminum profiles aligned to the border of the joint hollow. Be sure you have the adequate width to install the rubber after.
3. Mark and drill the holes to install the fixing screws.
4. Screw the profiles with the fixing screws supplied.
5. Insert the EPDM rubber into the aluminum profiles and align it with the visible surface. You can use a rubber hammer.

### 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 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 DATA SHEET

Novojunta® Pro PA SP

## 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](http://www.emac.es)**.

If you have any query, please contact our Technical Department in **[tecnico@emac.es](mailto:tecnico@emac.es)**.



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