



Novojunta® Pro PA



Novojunta® Pro PA is a system of profiles with a wide range of movement, to be installed before work and specially designed for vertical joints (wall-ceiling) in high risk seismic areas. It can be installed in expansion joints up to 100 mm width. The side profiles are made of aluminum and are delivered drilled for the fixing screws, that remain flush with the surface. The synthetic rubber resists weathering, thermal changes, wear and moisture. Available in black or grey color with striated 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 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.

Emac Complementos, S.L. reserves the right to make at any time modifications to the geometry of the product.

R03.001_07/02/2024

TECHNICAL DATA SHEET

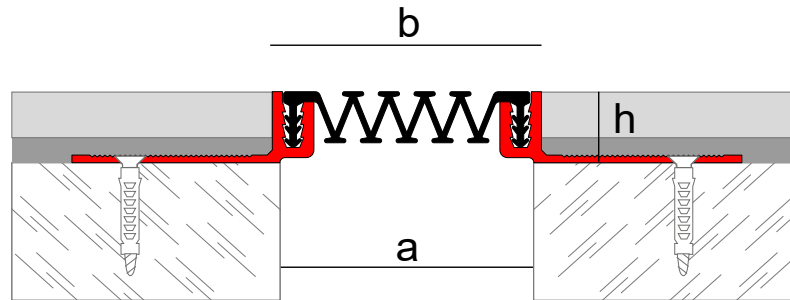
Novojunta® Pro PA

General features

Material: Natural aluminum + EPDM

Length: 2,5 ml

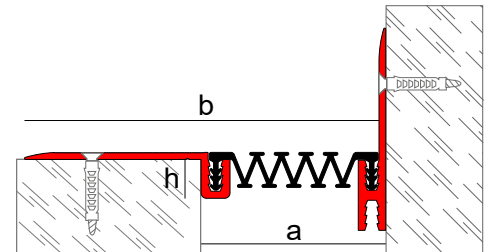
Finishes:



Reference	Height (h):	Finish:	Joint width (a):	Visible side (b):	Height (h):
NJPPA5014*	Black /grey	Striated	50 mm 2"	53 mm	14 mm
NJPPA5022*					22 mm
NJPPA8014*			80 mm 3-1/4"	83 mm	14 mm
NJPPA8022*					22 mm

Perimeter option

Novojunta® Pro PA 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** are entirely made of aluminum extrusion. The 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.

EPDM

The central body of **Novojunta® Pro PA** 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.

Installation

The model **Novojunta® Pro PA** 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 both profiles aligned to the borders of the expansion joint. Be sure the width is the suitable to install the rubber.
3. Drill the holes for the fixing screws.
4. Fix the profiles with the screws supplied.
5. Finally, insert the rubber into the grooves of the aluminum profiles and align all with the 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 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.

Emac Complementos, S.L. reserves the right to make at any time modifications to the geometry profile or the specifications of his products.

R03.001_07/02/2024



Emac Complementos S.L. (Spain) info@emac.es // Emac America L.L.C. (FL,USA) info@emac-america.com // Emac Italia S.R.L. (Italy) info@emac-italia.it

www.emac.es

*The data provided are for information only and have been obtained by our supplier or Emac®.
Does not constitute legal guarantee in terms of properties and / or functionality of the application of material*