



## Novojunta® Pro Aluminium PLUS SP



**Novojunta® Pro Aluminium PLUS SP** is a system of profiles for expansion joints up to 50 mm width, to be installed flush to the flooring once the flooring is installed.

It consists of two aluminium profiles with holes for the fixing screws and a central part made of high quality EPDM rubber that it is inserted into the aluminum profiles. Available in two different finishes (flat and striated) and two colors.

### 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 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 Aluminium PLUS SP** is a solution for structural expansion joints consisting of two overlapping aluminum profiles with a central piece made of EPDM rubber with the ability to move. This profile absorbs expansions and contractions caused by constructive elements, preventing the cracking and other pathologies. Suitable to be installed in floors, walls and ceilings.

**Novojunta® Pro Aluminium PLUS SP** is to be installed flush to the flooring and allows traffic of medium loads. It is perfect to install once the flooring is installed and in rehabilitation or reform works.

# TECHNICAL DATA SHEET

Novojunta® Pro Aluminium PLUS SP

## General Features

Material: Aluminum+ EPDM

Length: 2,5 lm

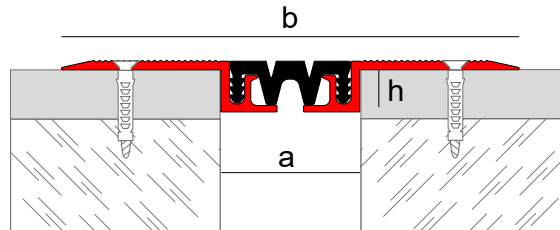
Finishes:



Black



Grey

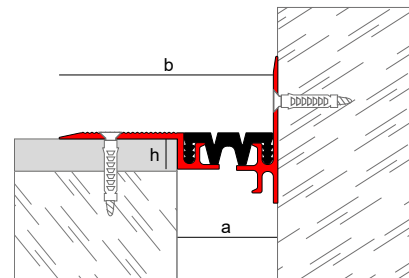


Reference	Color	Finishes	Joint width (a):	Visible width (b)	Height (h):	Movement allowed
NJPALPSP40*	Grey/ Black	Smooth/ Striated	45 mm 1-9/16"	150 mm 6"	13,8 mm 9/16"	10 mm (+/-5) 3/8" (+/-3/16")
NJPALPSP50*			55 mm 2-3/16"	160 mm 2-5/16"		14 mm (+/-7) 9/16" (+/-9/32")

\*Choose color and finish

## Perimeter piece

**Novojunta® Pro Aluminium PLUS SP** has a special piece to install the perimeter option (reversible)



## 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

#### Aluminium

The side profiles of **Novojunta® Pro Aluminium PLUS SP** are manufactured by 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.

#### EPDM

The central body of **Novojunta® Pro Aluminium PLUS SP** is made of high quality EPDM rubber. The 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.

### Load support



**Novojunta® Pro Aluminium PLUS SP** can support medium loads, which means that allows pedestrian and vehicular traffic. Allows the traffic of vehicles with pneumatic wheels (DIN 1072) up to 35 kN and the occasional traffic of heavy loads with pneumatic wheel.

### Installation

**Novojunta® Pro Aluminium PLUS SP** is delivered unmount-

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

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 with no particles that could scratch the finish. Outdoors, rainfall will clean the profile.

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).

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## 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)**.

