



## Novojunta® Pro Aluminio PLUS



Profile for structural joints made of aluminum and EPDM to be installed before flooring installation. It consists of two reinforced aluminum profiles, holed in their base and a central body made of high quality EPDM that absorbs multidirectional movements and has excellent mechanical properties, being also resistant to weather and UV rays.

It can be installed between floors of different thicknesses thanks to the combinable side pieces available in different heights. This product is delivered unmounted and includes the fixing screws. The rubber is replaceable. Available firestop cords and EPDM membrane depending on the model.

### 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-SE-AE (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 Aluminio PLUS** is a solution for expansion joints consisting of two aluminum profiles holed on their base to receive the screws, together by a 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 Aluminio PLUS** is a system for expansion joints, easy to install and suitable for traffic of medium loads. To be installed during the work. Flush with the flooring.

# TECHNICAL DATA SHEET

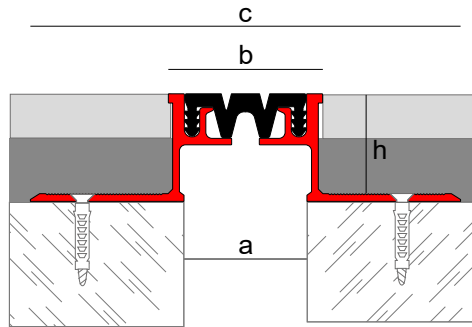
Novojunta® Pro Aluminio **PLUS**

## General Features

Material: Aluminum + EPDM

Length: 2,5 lm

Finishes:

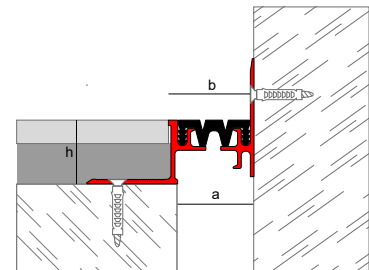


Reference	Color	Finish	Joint width (a)	Visible width (b)	Total width (c)	Height (h):	Movement allowed
NJPALP4035*	Grey/Black	Smooth/Grooved	40 mm	50 mm	140 mm	35 mm	10 mm (+/-5)
NJPALP4050*						50 mm	
NJPALP5035*			50 mm	60 mm	155 mm	35 mm	14 mm (+/-7)
NJPALP5050*						50 mm	

\*Choose color and finish

## Perimeter piece

Novojunta® Pro Aluminio **PLUS** 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% Elongation -40%	ASTM D573

### Materials

**Aluminium** The side profiles of **Novojunta® Pro Aluminio PLUS** are 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.

**EPDM** The central body of **Novojunta® Pro Aluminio PLUS** 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.

### Load support



**Novojunta® Pro Aluminio PLUS** 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 Aluminio PLUS** is delivered unmounted. This allows multiple combinations with the profiles and the different rubbers, that can adapt to the customer requirements.

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. Make the holes for the fixing screws.
4. Fix the expansion joint with the screws supplied
5. Continue with the flooring until it is finished
6. 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)**.



EXTERIOR  
OUTDOOR  
EXTERIOR  
ESTERNO



INTERIOR  
INDOOR  
INTERIEUR  
INTERNO



PAVIMENTOS  
FLOORING  
PAVEMENTS  
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