



Novojunta® Pro Basic SP



Floor/wall and ceiling. Light/medium loads (floor)

Novojunta® Pro Basic SP is a system of profiles up to 40 mm width to be installed flush to the flooring as a expansion joint 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 synthetic rubber that it is inserted into the aluminum profiles. Available in two different finishes (flat and striated) and 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 Basic SP is a solution for structural 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 Basic SP is a flush to the flooring profile, easy to install, which allows traffic of light or medium loads. It is perfect to install once the flooring is installed and in rehabilitation or reform works.

TECHNICAL DATA SHEET

Novojunta® Pro Basic SP

General Features

Material: Aluminum+ EPDM

Length: 2,5 lm / 8.2'

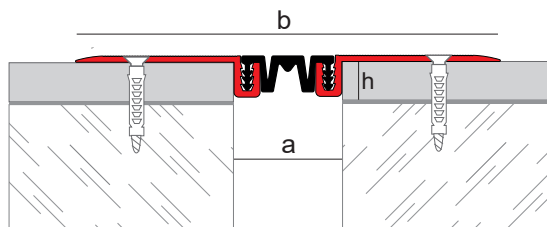
Finishes:



Black



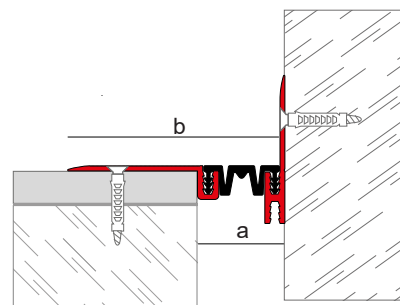
Grey



Reference	Joint width (a):	Total width (b):	Finish	Movement allowed
NJPBS20*	20 mm	124 mm	Flat	8 mm (+/-4)
			Striated	10 mm (+/-5)
NJPBS30*	30 mm	134 mm	Flat	10 mm (+/-5)
			Striated	12 mm (+/-6)
NJPBS40*	40 mm	144 mm	Flat	12 mm (+/-6)
			Striated	14 mm (+/-7)

Perimeter piece

Novojunta® Pro Basic 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 Basic SP** are manufactured by aluminum extrusion. The aluminum is a raw material with excellent chemical and physicochemical 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 Basic 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.

Load support



Novojunta® Pro Basic SP can support light and 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 Basic SP 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. 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**.

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

