

## Novojunta® Pro XL105



Floor/floor. Medium/heavy loads.

Novojunta® Pro XL105 is a system of profiles for expansion joints up to 105 mm width to be installed before the flooring. Consists of two side reinforced aluminum profiles with two high quality rubber profiles embedded in a central reinforcing piece. This profile for expansion joints is delivered already assembled for its easy installation. Available in black and grey colors.

### General Features



Material: Aluminium+synthetic rubber

Length: 3 ml

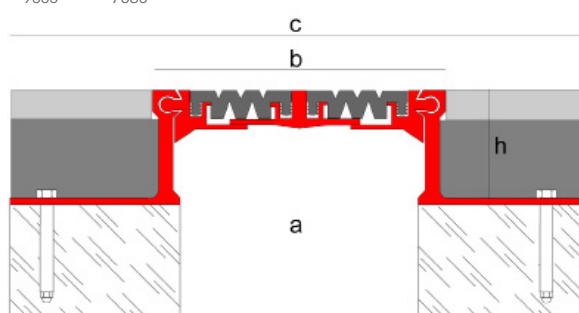
Finishes:



Negro  
9005



Grey  
7035



Reference	Profile height (h):	Joint width(a):	Visible width(b):	Total width(c):	Rubber type	Horizontal movement	Vertical movement
NJPXL105AL18	18 mm	105 mm	130 mm	236 mm	Striated	26 mm (+/-13)	14 mm (+/-7)
NJPXL105AL35	35 mm						
NJPXL105AL50	50 mm						
NJPXL105AL80	80 mm						

### 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 XL105** is a solution for big structural joints, made of aluminum and rubber. The side pieces make a sub-assembly which reinforces the main assembly. There are two rubber profiles embedded into the reinforcing central piece, making possible the absorption of multidirectional movements and avoiding possible pathologies in the flooring. The side pieces, with aluminum hinges, also allow the vertical movement.

**Novojunta® Pro XL105** is a functional profile designed to cover large expansion joint widths remaining perfectly integrated with the flooring.

### Technical Features

Alloy	6060 (UNE 38350:2001)
Abrasion resistance	Excellent
Lightfastness	Excellent
Weatherability	Very good
Elasticity	Very good
Working temperature	-30°C / +120 °C

### Materials

**Aluminium** The side profiles and reinforcing piece of **Novojunta® Pro XL105** are made by 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.

**Synthetic rubber** The three rubber profiles of **Novojunta® Pro XL105** are made of high quality rubber. This rubber can absorb multidirectional movements and has excellent mechanical properties: great elasticity, weatherability and UV resistance, moisture and abrasion resistance and is also resistant to extreme temperatures (-30°C/+120°C).

### Load support



**Novojunta® Pro XL105** can support medium/heavy 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 up to 300 kN.

### Installation

Novojunta® Pro XL105 is delivered already assembled to make easier the installation:

1. Clean the surfaces to install the expansion joint system
2. Place the preassembled assembly aligned to the border of the joint.
3. Drill the holes for the fixing screws.
4. Fix the profiles with the screws supplied placing them each 30 cm approximately.
5. Continue with the flooring until is finished.
6. Finally, remove the guide profiles of the preassembled profiles and place the definitive rubber profiles into the corresponding slots of the aluminum profiles. Be sure they are installed at level with the flooring surface. If you need, you can use a rubber hammer.

## Cleaning and maintenance

The cleaning must be done periodically with a soft mop. 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 it 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](http://www.emac.es)**.

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



Outdoors



Indoors



Floorings