



Novojunta Pro® Metal SIS 110



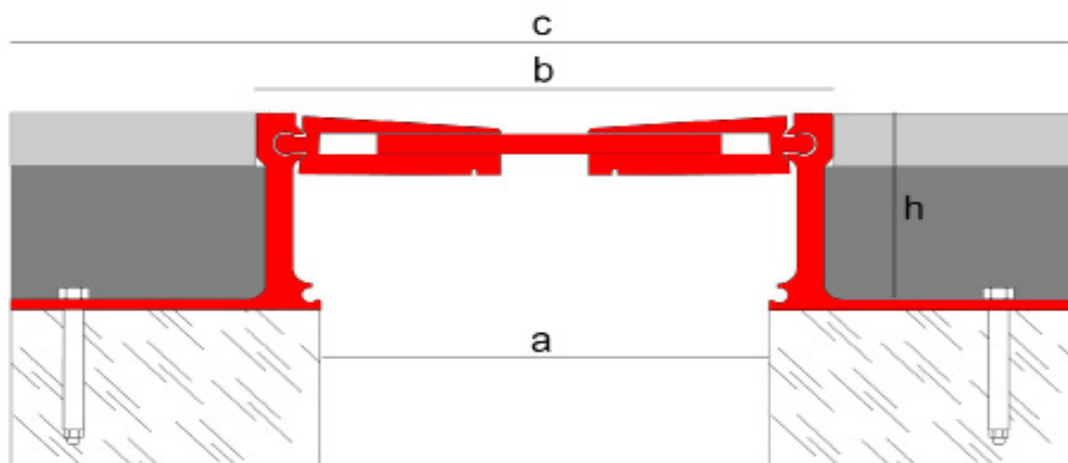
Floor/floor. Heavy loads.



Novojunta Pro® Metal SIS 110 is a preassembled system of profiles with big size entirely made of aluminum. Its design, with sliding pieces, allows it to absorb great multidirectional movements, being the perfect solution for **areas with high seismic risk**. To be installed before the flooring, once installed is flush to the floor surface. Supports traffic of heavy loads.

General Features

Material:	Natural aluminum
Length:	3 lm
Finishes:	Natural



Reference	Height (h):	Joint width(a):	Visible width(b):	Total width(c):	Horizontal movement	Vertical movement
NJPM110S18NA	18 mm					
NJPM110S35NA	35 mm					
NJPM110S50NA	50 mm	110 mm	130 mm	250 mm	40 mm (+/-20)	20 mm (+/-10)
NJPM110S80NA	80 mm					

Technical Features

Alloy	6060 (UNE 38350:2001)
Fire resistance	M0 (UNE 23-727-90)
Abrasion resistance	Very good
Lightfastness	Excellent

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® Metal SIS 110 is a solution for big structural expansion joints which consists of an assembly of aluminum sliding pieces. This profile absorbs the stresses and strains that occurs in the constructive elements and helps to prevent from cracking or from other kind of pathologies. Ideal to be installed in floorings.

Novojunta Pro® Metal SIS 110 has reinforced aluminum pieces which makes it capable to support all kind of loads. By its size and features is a great option for areas with high seismic risk.

Materials

 Aluminium

Novojunta Pro® Metal SIS 110 is a system of profiles entirely 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.

Load support



Novojunta® Pro Metal SIS 110 supports heavy loads, which means that allows pedestrian and vehicular traffic with rigid or pneumatic wheel. Allows the traffic of vehicles with pneumatic wheels (DIN 1072) up to 300 kN.

Installation

Novojunta Pro® Metal SIS 110 is delivered **pre-assembled** with bolted metal pieces that mark the optimal position of installation and must be removed after installing the expansion joint. This profile is to be installed before the installation of the flooring.

Be sure the surfaces to install the Novojunta Pro® Metal SIS 110 are free from dust and grease. Place the profile on the expansion joint hollow without removing the bolted metal pieces supplied. Fix the profiles with the screws supplied placing them alternately on the fixing wings each 30 cm. The screws must be perfectly leveled with the surface of the aluminum profile. Then, remove the metal pieces, clean the remaining dirtiness and continue with the flooring.

This reference is very easy to install. You can install Novojunta Pro® Metal SIS 110 in expansion joints with a width equal or minor than the indicated for the model. Never install this system of profiles on larger expansion joints.

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 mop 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.

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



Outdoors



Indoors



Flooring



Recyclable

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