



Novojunta® Pro Metal SIS



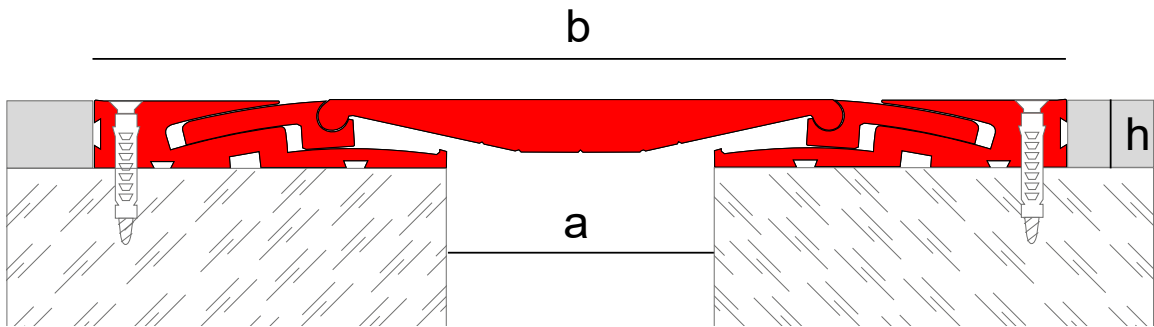
Floor/floor. Heavy loads.

Novojunta® Pro MetalSIS is a system of profiles pre-assembled profiles made entirely of aluminum. Its design, with sliding pieces, allows it to absorb great multidirectional movements. Is the perfect option for areas with high seismic risk. Its wide non-slide face side is flushed with the flooring once installed. To be installed during the work, it supports heavy loads.

General Features



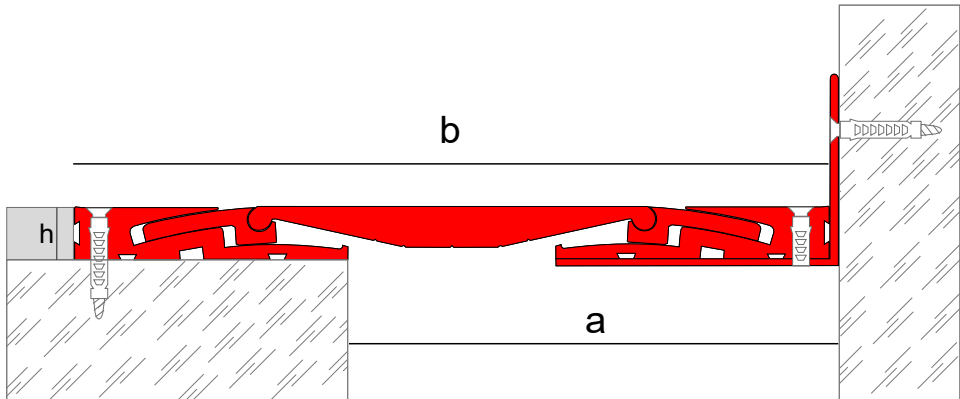
Material:	Natural aluminum
Length:	3 lm



Reference	Height (h):	Joint width(a):	Visible width(b):	Movimiento admitido	Movimiento total
NJPMSIS50NA	20 mm	50 mm	255 mm	Horiz.: +/- 30 mm. Vert.: +/- 25 mm.	Horiz.: 60 mm. Vert.: 50 mm.
NJPMSIS100NA		100 mm	305 mm		
NJPMSIS150NA		150 mm	360 mm		
NJPMSIS200NA		200 mm	410 mm		

Perimeter piece

Novojunta® Pro MetalSIS has a special piece for perimeter installations.



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 is a solution for structural expansion joints consisting of aluminum sliding pieces. This profile absorbs the stresses and strains caused in constructive elements, preventing from cracking or other pathologies. Suitable to be installed in floorings.

Novojunta® Pro Metal SIS has a wide striated face side which makes it non-sliding. Its design its flushed with the flooring, which makes easier the traffic of litters, shopping carts... It has a great support of loads and is suitable for heavy loads.

Materials



Novojunta® Pro Metal SIS is a profile 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.

Soporte de cargas



Novojunta® Pro Metal SIS supports heavy loads, which means that allows pedestrian and vehicular traffic. Allows the traffic of vehicles with pneumatic wheels 60kN with contact pressure 1N/mm², rigid wheels 30 kN with contact pressure 3 N/mm² or Vulkollan wheel 30 KN with contact pressure 6,020 N/mm².

Installation

Novojunta® Pro Metal SIS is delivered **pre-assembled** with special pieces that keep the profile at the correct position to be installed. These pieces are removed once the expansion joint is installed. To be installed at the same time than the flooring.

Be sure the surfaces to install Novojunta® Pro Metal SIS are free from dust and grease. Place the profile on the joint without removing the special pieces supplied. Mark the holes for the fixing wings and drill. Then, fix the profile with the screws. Be sure the screw's head is flushed to the surface. Finally remove the special pieces and finish the work.

This model is very easy to install. You can install Novojunta® Pro Metal SIS in expansion joints equal or minor to the indicated width. Never install the profile in greater expansion joints.

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 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**.



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