



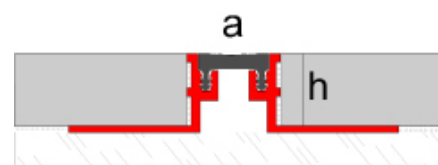
Novojunta® Metallic Flex



Novojunta® Metallic Flex is a solution for expansion joints in floorings or wall, which consists of two aluminum sides with a central body made of high quality silicone rubber. Due to the excellent properties of silicone, this profile is perfect to absorb the thermal movements in floors and walls, and prevent from possible pathologies. Available in black or grey color. Possibility of custom-made colors under request (with minimum order).

General Features

Material:	Aluminum + silicone
Length:	2,5 ml
Height (h):	10 / 12 / 15 mm
Width (a):	16 mm
Finishes: (*)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Black 9005 </div> <div style="text-align: center;">  Grey 7035 </div> </div>



(*) Possibility of custom-made RAL colors under minimum request 500 ml

Applications

Novojunta® Metallic Flex is a solution for expansion joints whose main function is to absorb expansion and contraction movements proceeding from thermal variations on floorings or tiled walls, to avoid the apparition of pathologies. It can be installed vertically and horizontally in floorings or tiled walls.

Technical Features

Specific weight	1,07 -2,05
Hardness	55-65 Shore A
Surface	Nonporous. Nonstick.
Working temperature	-55°C / +225°C
Weatherability and UV resistance	Excellent
Ozone resistance	Excellent
Electrical resistance	Excellent
Water resistance	Water resistant
Chemical resistance	Very good in general. Poor with hydrocarbons, acids, grease and solvents *

* This profile is not suitable to be installed in environments with presence of hydrocarbons, acids, grease or any kind of solvents. For example, alimentary industry with oil presence, automotive repair garages, hydrocarbon processing industry etc

Materials

Aluminum

The side profiles of **Novojunta® Metallic Flex** are made 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.

The 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.

Silicone rubber

The central body of Novojunta® Metallic Flex is made of high quality **silicone** rubber. The silicone is an elastomer rubber with improved features regarding other rubber profiles such as PVC or EPDM. The silicone rubber has similar mechanical properties to EPDM, is functional with a working temperature from -55°C to +225°C and has an excellent weatherability and is extremely resistant to UV ray and ozone. It is a water resistant, nonstick and impermeable rubber, with a nonporous surface and excellent as electric insulator. It can be coloured under request by adding additives (minimum quantity required).

Thanks to the silicone properties, Novojunta® Metallic Flex is suitable to be installed in any environment, specially outdoors where it is extremely resistant.

Installation recommendations

Emac®, in his awareness for the correct execution of the ceramic systems, took part in the committee for the elaboration of the UNE 138002: 2017 standard "General rules for the execution of ceramic tile systems by adhesion". In that UNE standard the recommendations of installation for expansion joints were defined as follow:

Installation	Separation distance / Area	Joint width (mm)
<i>Linear expansion joints</i>		
<i>Outdoor walls</i>	Each 3 - 4 ml max. Regular areas max. 16 m ²	≥ 8 mm
<i>Outdoor floors</i>	Each 2,5 - 5 ml max. Regular areas max. 16 m ²	
<i>Indoor floors</i>	Respect open contraction joints Each 8 ml maximum Regular areas max. 40 m ²	≥ 5 mm
<i>Singular points</i>	Door treshold Floor changes	≥ 8 mm
<i>Perimeter expansion joints</i>		
<i>Indoor walls</i>	Perimeter joints Wall / Ceiling Wall / Wall	≥ 5 mm ≥ 8 mm
<i>Outdoor walls</i>	Indoor / outdoor edges	≥ 8 mm
<i>Indoor floors</i>	Perimeter joints and encounters with elements	
<i>Outdoor floors</i>	Perimeter joints and encounters with elements	
<i>Singular points</i>	Encounter joints with joinery	≥ 5 mm

These recommendations are the minimum dimensions to take into account. The particularities of each project could make necessary to place the joints at less distance. The expansion joints should be planned since the project phase. The correct design and dimensionement of the expansion joints, together with an adequate choice of materials and a correct installation execution, will help to prevent from the apparition of pathologies.

Installation

1. Spread a big amount of thin-set mortar on the surface to be tiled.
2. Then, place the profile and press it so the thin-set mortar could pass through the holes of the anchoring wing.
3. Place one tile over the anchoring wing and press it to get an optimal joint between the thin-set mortar and the profile.
4. Repeat the last step placing tiles along the profile (both sides) until the installation is finished. Before it cures, hit softly with a rubber hammer to align the profile with the tiles.
5. Finally, clean the leftover material, remove the protective film and let dry.

Cleaning and maintenance

The cleaning must be done periodically with a soft mop and a neutral liquid cleaner. Then, you must rinse the profile with cold water and dry to remove excess of moisture.

Steel wool, abrasive cleaners, souring products as well as the majority of strong acids, strong bases (caustic soda or ammonia) or carbonated solutions are not recommended. The solvents of any kind and curing accelerators containing chlorides (use special accelerators free of chlorides) should be avoided as they could damage the visible side of the aluminum or the silicone rubber.

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

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