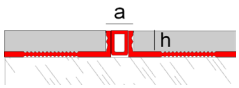
Novo**junta®** SliMM

Novojunta® SliMM belongs to the SliMM range of Emac®, specially designed for its placement with low thickness ceramics, small tiles or thin mosaics. This profile is a solution for expansion joints composed by two profiles made of aluminium and a central body made of flexible PVC. Novojunta® SliMM integrates perfectly in the environment due to its small face side and the range of colors available.

General Features



Material:	Aluminium + Flexible PVC
Lenght:	6ft2in / 2,5 l.m.
Dimensions:	h: 3/16" / 4,5 mm. a: 1/4" / 6,4 mm.
Packaging:	20 u./box

Finishes:

Applications

Novojunta® SliMM is a solution for expansion joints with reduced size, whose main function is to absorb the expansion and contraction movements from floor and wall tiling to avoid pathologies in the installations. It can be placed vertically and horizontally in floors and walls.

Movement allowed

Despite of its small size, the central body made of flexible PVC of Novojunta® SliMM, is able to absorb expansion and contraction movements from floors and wall tilings. The movement allowed is represented in the next chart:

	a	Expansion/contraction movement	Total movement
	1/4" - 6,4 mm.	**+ 0.5 mm. / - 4 mm.**	**3/16" - 4,5 mm.**
[1] Thermal variation calculed considering an outdoor installation with coefficient of thermal expansion 0.007mm*ºC/m. with the joints placed to a maximum distance of 16.40ft (5 l.m.).	[1] The considered installation allows an expansion movement equal to an increase of 237,2ºF (114ºC) counting from the temperature of installation and a contraction equal to 6,8ºF(- 14ºC) counting from the temperature of installation.		
	Total thermal variation: 262,4ºF / 128ºC		
[2] Thermal variation calculed considering an outdoor installation with coefficient of thermal expansion 0.007mm*ºC/m. with the joints placed to a maximum distance of 26.24ft (8 l.m.).	[2] The considered installation allows an expansion movement equal to an increase of 159,8º F (71ºC) counting from the temperature of installation and a contraction equal to- 9 ºC (15,8º F) counting from the temperature of installation.		
	Total thermal variation: 176ºF / 80ºC		

Technical Features and Tests

Fire resistance	M2 (UNE 23-727-90)	
Abrasion resistance	Very good	
Working temperature	14ºF/140ºF (-10ºC/60ºC)	
Resistance to chemical agents	Good except chromic and sulphuric acid and organic solvents such as acetate and toluene.	AIM-PLAS

Materials

Aluminio

The fixing wings of Novojunta® SliMM consist in two profiles manufactured by extrusion of aluminium in natural finish. The aluminium is a material with excellent chemical and phisical-mechanical properties. It is lightweight, tough, ductile, malleable and highly durable.

PVC

The central body of Novojunta® SliMM is a square section profile made of flexible PVC (PVC-U). PVC (polyvinyl chloride), is an amorphous thermoplastic polymer with high resistance to abrasion, corrosion and a wide range of chemical products. It has good resistance to impact, low absorption of water, low electrical conductivity and a high dimensional stability.

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)
Linear expansion joints		
Outdoor walls	Each 3 - 4 ml max. Regular areas max. 16 m²	>= 8 mm
Outdoor floors	Each 2,5 - 5 ml max. Regular areas max. 16 m²	
Indoor floors	Respect open contraction joints Each 8 ml maximum Regular areas max. 40 m²	>= 5 mm
Singular points	Door treshold Floor changes	>= 8 mm
Perimeter expansion joints		
Indoor walls	Perimeter joints Wall / Ceiling Wall / Wall	>= 5 mm >= 8 mm
Outdoor walls	Indoor / outdoor edges	>=8 mm
Indoor floors	Perimeter joints and encounters with elements	
Outdoor floors	Perimeter joints and encounters with elements	
Singular points	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.

Placement

1. Spread a big amount of gripping material on the surface where the pavement will be installed.
2. Then, place the profile and press it to allow the gripping material pass through the mechanized holes on the fixing wing.
3. Place a tile on the fixing wing of the profile and press to an optimal contact with the gripping material.
4. Repeat the previous step placing tiles along the profile until the installation is finished.
5. Before curing, tap with a rubber hammer to align the profile with the pavement.
6. Finally clean the remaining material and let dry.

To see the video, capture this image with your mobile phone (QR code reader software is necessary) or click on it.

** If you planned polishing the soil, install the profile slightly below the tile to avoid possible damages.*

Warnings

The central body of Novojunta® SliMM is made of PVC, so it could lose color if installed outdoors, specially with direct insolation.

Novojunta® SliMM has been designed specifically for low thickness ceramics so it is not suitable for standard ceramics.

Cleaning and maintenance

The cleaning must be done with water or detergent or a specific cleaner diluted. The correct use of bleach does not affect it.

Chromic or sulphuric acid or organic solvents such as ethyl acetate, acetone, toluene are not recommended.

Technical information

You can find out more information about the technical features of Emac®'s products by downloading its Technical File in **www.emac.es**.

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

Outdoors Indoors Wall tiling Flooring Recyclable

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