



Novojunta® Maxi



Profile for expansion joints made of our exclusive material Maxi, with vegetable fibers and central flexible body made of EPDM. Decorates and absorbs the movements of expansion and contraction in floorings, thereby preventing cracks and damage. Supplied with protective film to avoid possible stains during the installation or damage due to handling and transport.

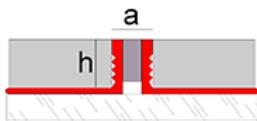
General Features

Material: Maxi + EPDM rubber

Length: 8ft2in / 2,5 l.m.

Packaging: 30 u./box

Finishes:



Dimensions:

h:	inches	3/8"	1/2"
	mm.	10	12
a₁:	inches	23/64"	
	mm.	9,2	
M.A.:	inches	-0.039" / +0.079"	
	mm.	+ 1 / - 2 mm.	
M.T.A.:	inches	0.118"	
	mm.	3	

M.A: Movement allowed. M.T.A: Total movement allowed.

Applications

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

Technical Features and Tests

EPDM rubber

Fire resistance	M2	UNE 23-727-90	
Abrasion resistance	Very good		
Working temperature	-40°C / +70°C		
Water absorption	<= 1	ASTM D1056 - 00	AIMPLAS
Ozone resistance	Good		
Free of CFC & HCFC			

Maxi

Resistance to chemical agents	Very good except acetone, chromic acid and sulfuric acid.	
Water absorption	Very small absorption, high dimensional stability. Retains its weight after dry.	
Fire reaction	M1 Classification	UNE 23.727-90 1R
Abrasion resistance	Up to 2200 cycles without variation	
Surface resistance to staining	Resistance to acetone, coffee 176°F/80°C, bitumen, hydrogen peroxyde 30%, sodium hydroxide 25%. Acetone: surface degradation and blisters. Rest: without changing.	UNE EN 438-2:2005 Apto. 23
Impact resistance	Spring: 34 N Ball drop: 3,93ft/120 cm. maximum drop / 0,38 in./9,9 mm mark diameter	
Cigarette burns	Surface degradation	
Resistance to humidity-drying	> 20 cycles	UNE EN 14428



Materials

Maxi

Maxi is a composite material made of PVC and vegetable fibers. Those fibers proceed from the recycling of organic waste from agriculture. The waste reduction and the recycling of materials, help Maxi to fulfill with the Emac®'s commitment with the Environment and the sustainable construction.



Maxi has an original finish, similar to wood and natural elements, which adapts to different decorative environments. The main advantage of this composite is that has the best qualities of PVC and vegetable fibers such as good mechanical strength, abrasion resistance and dimensional stability among others.

EPDM

The central flexible body of Novojunta® Maxi is made of high quality EPDM rubber. EPDM is an elastomer polymer with excellent mechanical properties. It has good resistance to abrasion, wear and impact, is a good insulator, and resists weathering, common chemicals and has a wide working temperature range.

Its excellent compression set is the main feature in absorbing the deformations and geometric variations of constructive elements.

Tips of installation

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

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	>= 5 mm
Singular points	Encounter joints with joinery	

Calculation of thermal variation

Novojunta® Maxi has an excellent performance against contractions and expansions in ceramic installation and performs well when is under thermal variations.

To calculate the allowed thermal variation we have the following data:

a	Mov. expansion / contraction	Total movement
9,4 mm.	+ 2 mm. / - 1 mm.	3 mm.
¹ Thermal variation calculated considering an outdoor installation with coefficient of thermal expansion 0.007mm*°C/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 125.6°F (52°C) counting from the temperature of installation and a contraction equal to -61.6°F(- 52°C) counting from the temperature of installation. Total thermal variation: 219.2°F / 104°C	
¹ Thermal variation calculated considering an indoor installation with coefficient of thermal expansion 0.007mm*°C/m. with the joints placed to a maximum distance of 26.24ft (8 l.m.).	¹ The considered installation allows an expansion movement equal to an increase of 89.6°F (32°C) counting from the temperature of installation and a contraction equal to -25.6°F(-32°C) counting from the temperature of installation. Total thermal variation: 147.2°F / 64°C	

The correct calculation of this is highly important to distribute and dimension the expansion joints in a correct way. From our Technical Department, as specialists in expansion joints, we offer you advice for the calculation of the expansion joints in your project with no compromise.

Please, contact us in tecnico@emac.es and we'll offer you a customized solution depending on the features of your project.

Installation



Para visualizar el vídeo capture esta imagen con su móvil (requiere software lector de códigos QR) o haga click sobre ella.

1. Spread a big amount of thin-set mortar on the surface to be tiled.
2. Then, place the profile and press it to let the thin-set mortar pass through the holes of the anchoring wing.
3. Place one tile on 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.

* If you're going to polish the flooring, install this profile slightly below the tile to avoid possible damage.



Cleaning and maintenance

Novojunta® Maxi can be cleaned with a cloth or mop dampened with water or in a solution of neutral detergent 5%. The correct use of bleach, 10%, does not affect the material.

Do not use acid concentrated cleaners to clean the profile neither abrasive cleaning tools which could cause damage to the material. It is no recommended to install this profile in areas susceptible to oil or hydrocarbons spills because they could affect the EPDM rubber.

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



Floorings



Recyclable