



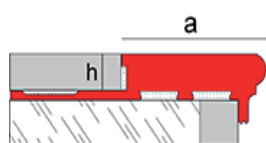
## Novopeldaño® Maxi



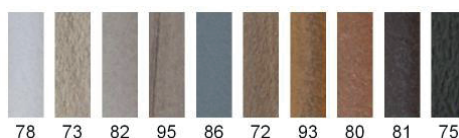
Novopeldaño® Maxi is a stair nosing made of Maxi, an exclusive raw material of Emac® that belongs to the WPC (Wood Plastic Composite) family of products. Its particular geometry and appearance contribute to embellish all kind of stairs, specially the rustic ones, being the perfect alternative to natural wood profiles. Novopeldaño® Maxi joins technology, sustainability, beauty and security in just one product.

### General Features

Material:	Maxi (PVC + Vegetable Fibers)
Length:	3ft2in/8ft2in (1/2,5 l.m)
Dimensions:	h: 3/8", 1/2", 9/16" 10/12/15 mm. a: 1-3/4" (45 mm.)
Packaging:	10 u/box - (8 u. h15)



Finishes:



### Applications

Novopeldaño® Maxi is a profile designed to be installed as stair nosing. Its particular visible side provides a high resistance to slip, helping to fulfill with the DB-SUA of the CTE (Spanish Technical Building Code) by improving the value of slip resistance of the flooring where it is installed.



The installation of Maxi outdoors, could result in a variation of its original color, being significantly higher in the range of the redish colors. To avoid color variations due to the continuous sun exposure, we recommend the installation of the Maxi range indoors. For outdoor installations we recommend the MaxiKenya range, that has an excellent weatherability and remains unalterable under sun exposure.

### Technical Features and Tests

	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.	
	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



Slip resistance	Very good.	UNE-ENV 12633:2003
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Slip resistance	Very good. See graph below.	DIN 51130
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## Slip resistance DIN51130



We have tested our Novopeldaño® Maxi under the DIN 51130 standard, to certify its good properties of slip resistance. This reference had been already tested before under the Spanish standard UNE-ENV 12633:2003, which is the one required by the CTE (Spanish Technical Building Code).

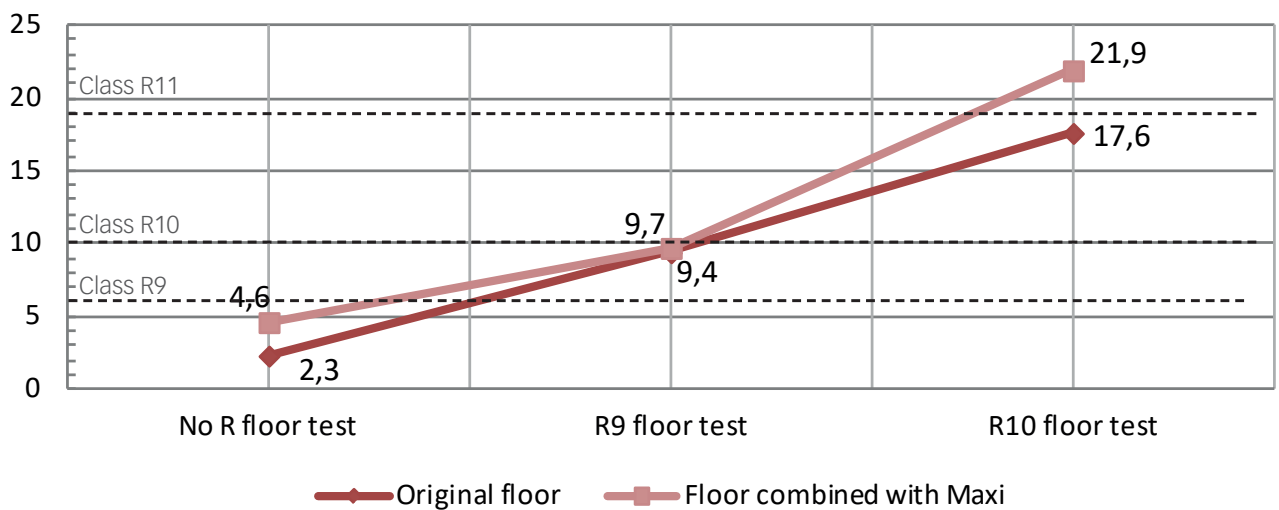
The tests were carried out in several panels (1000x500 mm.) which consisted of ceramics with different classifications of slipperiness, combined with our Novopeldaño® MaxiKenya profiles as it is shown in the picture.

These tests were carried out by qualified operators of the ITC (Technological Institute of Ceramics). The results are also available for our reference Novopeldaño® Maxi. Please, check its technical file.

The graph below represents the global results after the tests. The dark red line represents the results for the original flooring, and the clear one the results in combination with Novopeldaño® Maxi.

The first flooring tested had a low initial value (2.3), that improved up to 6.5 with Novopeldaño® Maxi, which means that the initial sliding flooring became a non-slip R9 flooring. The second flooring, certified as R9 (9.4 value) improved its slip resistance value up to 12.7, changing its classification from R9 class to R10 class. Finally, the last flooring classified as R10 with a value of 17.6, in combination with the profile got a result of 23.7 and R11 class.

### Slip resistance Novopeldaño® Maxi



We did not consider testing R11 or R12 flooring. The R11 and R12 are highly secure and non-sliding floorings, so we can extrapolate that our stair nosings in combination with R11 floorings maybe will not improve more but surely maintain the initial classification of the flooring.

Please, take into account that **our profiles are not certifiable by themselves**. Our Novopeldaño® Maxi is not a profile classified as R9 or R10. What we are certifying is that our Novopeldaño® Maxi can be combined with ceramics, thereby improving its slip resistance value and even, in some cases, its classification.

Please note that this tests have been carried out with an especific flooring. This do not guarantee the same results with other floorings classified as well as R9 or R10. There is a wide range of floorings in the markets and the results of R9 floorings, for example, can fluctuate between 6 and 10°. We can say that your slip resistance value will be improved but not in the same way.

## Materials

MAXI Maxi



Maxi is a composite material formed by PVC and vegetable fibers. Those fibers proceed from 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 mechanic strenght, abrasion resistance and dimensional stability among others.

## Placement

1. Spread a big amount of thin-set mortar on the surface of the riser.
2. Place the tile on the riser and press to get an optimal adherence.
3. Then, spread a big amount of thin-set mortar on the tread and align the profile on its vertex so it rests on the riser (Do not let overhang, the leverage may remove the step and the tiles). Then press so the thin-set mortar could pass through the mechanized holes of the anchoring wing.
4. In installations with butt joint or connections it is recommendable to keep a small separation by way of **expansion joint** which should be greater the longer the profiles to join are. Approximately 2 mm/m. This joint can be sealed with elastic filling suitable for outdoors.
5. Place one tile on the tread, align it to the profile and press to get a perfect adhesion. You can tap it softly with a rubber hammer.
6. Clean the possible leftover material and let dry.



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## Warnings

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- Part of the composition of Maxi and MaxiKenya is natural, so it may have differences in tone that **can not be considered** as manufacturing defects.
- It is recommended to take the profiles by its central part, avoiding taking them by the tops to avoid bending stresses which could cause scratches or breaks.
- Do not bend excessively the material. Store it **always** horizontally and in dry places.
- It must not be sanded, because that could affect to its surface appearance.
- It resists in moisture conditions but **it is not recommended** its use in submerged places.

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## Cleaning and maintenance

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You can clean Maxi with a cloth dampened just with water or with water in a solution with a neutral detergent 5%. The correct use of bleach doesn't affect the material.

It is not recommended to use chromic or sulphuric acids or polar solvents as toluene or acetone for its cleaning.

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## Technical information

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You can find out more information about the technical features of Emac®'s products by downloading its Technical File in [www.emac.es](http://www.emac.es).

If you have any query, please contact our Technical Department in [tecnico@emac.es](mailto:tecnico@emac.es).



Indoors



Floorings