



* Informative notice

Ref. 224.I.1712.001.ES.01 / Ref. 21705376_R-1



Novopeldaño Eclipse®



Stair nosing profile, made of aluminum, designed to protect and decorate tiled stairs. Its design, with a hidden hollow, allows the installation of any LED strip chosen by the installer without need of difusor, providing the profile with a high decorative value. Its visible side improves the slip resistance value of the stair. Thanks to its geometry, the slight slope allows the evacuation of water outside, avoids the accumulation of dirt and makes easy the cleaning. Novopeldaño Eclipse® is a LED solution in one piece with easy and fast installation.

Applications

Novopeldaño Eclipse® is a profile designed to be placed as a stair nosing. Its striated face side helps to fulfill with the DB-SUA (Basic Document of Security in usage and Accessibility) from CTE (Spanish Technical Building Code) because improves the value of slip resistance of the floor where it is installed.



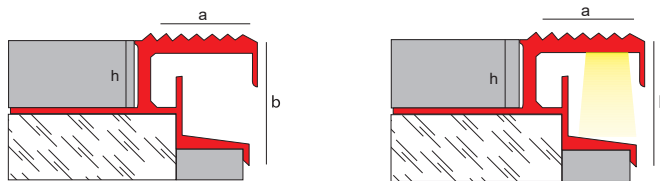
The Technical Guide of Accessibility in building 2001, also recommends the installation of visual and tactile elements at the beginning and the ending of stairs to favor the accessibility of people with reduced visibility.

Novopeldaño Eclipse® aluminum is ideal for public areas such as airports, hotels, hospitals, etc. and for its installation in homes.

**Promotional atmosphere created using Novopeldaño Eclipse® Aluminium matt silver, showing a suggestion for one possible use of this product. EMAC® does not manufacture, sell or supply any LED strip whatsoever with the Novopeldaño Eclipse® product. The choice of LED strip should be undertaken by the installer, taking into account the circumstances of the installation site.*

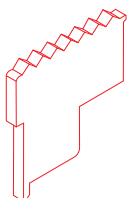
General Features

Material:	Anodized aluminum
Length:	2,5 m.l.
Dimensions:	h: 10/12 mm a: 22 mm
Packaging:	15/12 u./box
Finishes:	13 - Matt silver



Complementary pieces

Novopeldaño Eclipse® Aluminum has a special cover available to get a perfect installation.



Materials



Novopeldaño Eclipse® is a profile made by extrusion of aluminum. The anodizing process improves the corrosion resistance, mechanical resistance and appearance of profiles. It has the quality seal Qualanod, which guarantees the quality of the process and the resulting profiles. This seal regulates several tests: appearance and color, thickness measurements, sealing and impregnation control, abrasion resistance, lightfastness, acetic saline chamber and nitric acid immersion.

The aluminum has excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable

Technical features and Tests

Alloy	6063 L-3441	AA y ASTM UNE 38-301-89
Fire resistance	M0	UNE 23-727-90
Abrasion resistance	Very good	
Lightfastness	Excellent	
Appearance and color	EN 12373-1	
Impact resistance	Very good* No deformation after the cycles of test	10000 cycles with 8° impact angle
Load resistance	Very good* No deformation after the cycles of test	25000 cycles 30 kg 25000 cycles 75 kg 25000 cycles 90 kg 25000 cycles 110 kg



Impact and load tests have been carried out on Novopeldaño Eclipse® that validate its high traffic resistance. Ref. 224.1.1712.0001. ES.01 / Ref.21705376-R-1



Impact test
Novopeldaño Eclipse®



Load test
Novopeldaño Eclipse®

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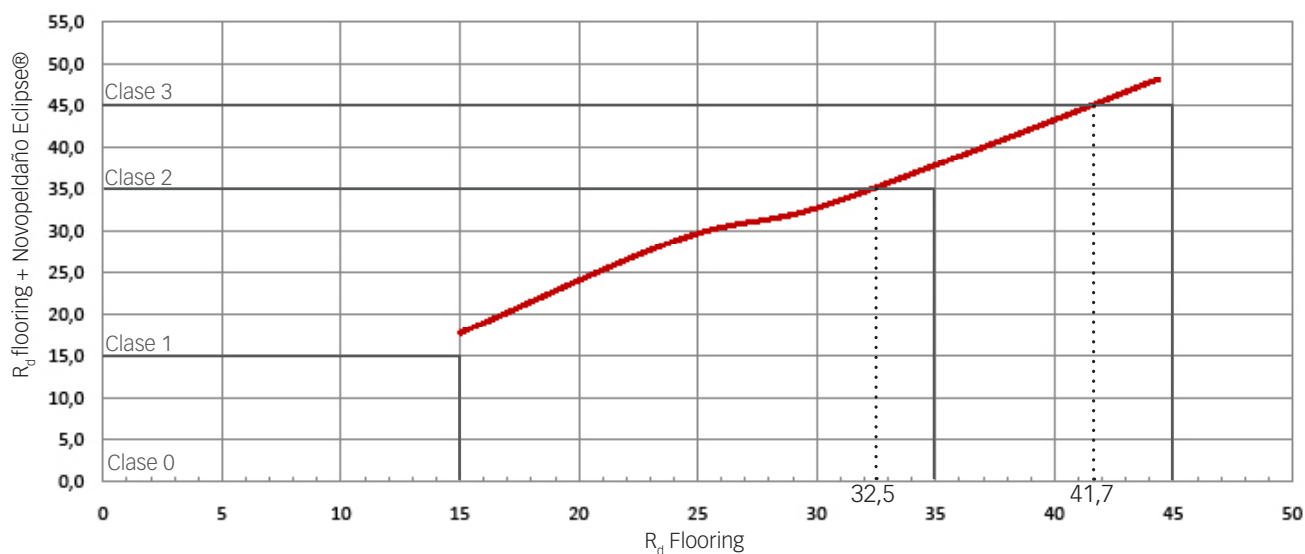


Slip resistance

Good

UNE-ENV 12633:2003

Performance of slip resistance Novopeldaño® 4 aluminio



* In this graph you can see the comparison between the R_d of the flooring without Novopeldaño® 4 Aluminum and the R_d of the flooring with the profile installed. The different areas that conform different classes have been delimited to see clearly the improvement obtained of R_d and of flooring class. **The test has been carried out on Novopeldaño® 4 aluminio which has the same visible side than Novopeldaño Eclipse®**

Comparison chart R_d and Class

R _d Flooring	Initial class of flooring	R _d Flooring + Novopeldaño® 4 Aluminum	Flooring class + Novopeldaño® 4 Aluminum
15 - 32,5	1	17,7 - 35	1
32,5 - 35	1	35 - 37,5	2
35 - 41,7	2	37,5 - 45	2
41,7 - 44,4	2	45 - 48,1	3

* With the help of this chart you can know the Rd and the class of the flooring which will result due to the installation of Novopeldaño® 4 Aluminum as stair nosing. You can compare the values obtained respecting to the flooring without the profile installed. Values marked in green will identify those values whose improvement has meant an increasing of the class of the flooring.

Slip Resistance project developed in collaboration with:



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Installation

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. Be also sure you fill the inside of the profile to reinforce the installation.
4. 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
5. Clean the possible leftover material and let dry
6. After installing the profile you can install a self-adhesive LED strip to provide the profile with light.

Cleaning and maintenance

This product must be cleaned periodically with a soft cloth. If you use a neutral liquid cleaner, you must rinse the profile with cold water and dry it to remove the humidity excess. The persistent dirtiness can be removed by using cleaning approved agents lightly abrasive or a grid covered with polished powder neutral. If a preserving agent is applied, as well as keep a very thin layer of water repellent, note that it can't be yellow, attract dust or dirt or have iridescent effects.

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 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 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.



Outdoor



Indoor



Flooring