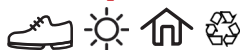




 \*223.I.2309.225.ES.02

## Novopeldaño ASTRA® Stella

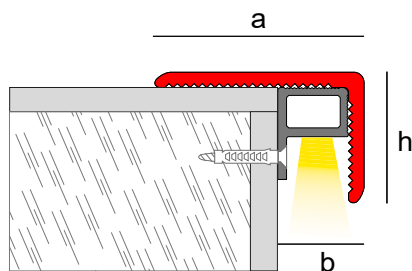


The Novopeldaño ASTRA® Stella system is a technical solution that will shine with its own light in the world of design, combining the aesthetics of the ASTRA® material and the decoration of the ECLIPSE® indirect lighting. It is a system that has 3 fundamental pieces: a main profile with a non-slip face made of the exclusive ASTRA® material, an anodized aluminum base profile that gives the necessary resistance to the step, and which is prepared to house an LED strip and, finally, the screws that fix the base profile to the riser. The ASTRA® profile is fixed by means of adhesive to the flooring of the step and to the base profile (adhesive not included).

The stars align to give life to the Novopeldaño ASTRA® Stella system. Available in five colors that integrate with the trendy finishes on the market or contrast with the flooring as desired, making it a perfect choice for both new construction and renovation and refurbishment, and with end caps for the perfect finish of the installation.

The resistance of the step system has been tested at AIDIMME, exceeding 100,000 vertical load cycles without damage.

### General Features



|             |                           |
|-------------|---------------------------|
| Material:   | ASTRA® + aluminium        |
| Length:     | 2,5 ml                    |
| Dimensions: | a: 40 mm                  |
|             | h: 25 mm                  |
|             | b: 19 mm                  |
|             | <i>*Led hollow: 14 mm</i> |
| Packaging:  | 10 u/box                  |

#### Finishes:



### Applications

EMAC®'s Novopeldaño ASTRA® Stella is a stair nosing profile suitable to be installed in all kind of environments, both outdoors and indoors. Its overlapped geometry facilitates its installation in new projects or reform works, contributing to renovate easily the environment.

The base profile is made of robust aluminium and allows to install a LED strip, providing the set with indirect lighting. The system has been tested with fatigue test, obtaining excellent results.

### Complementary pieces

Novopeldaño ASTRA® Stella has end caps for a perfect finish of the installation.



### Technical Features and tests

|                       |                    |
|-----------------------|--------------------|
| Alloy:                | 6063 / T5          |
| Stress test:          | 110-130 MPa        |
| Tensile strength:     | 160-175 MPa        |
| Elongation (%):       | 8%                 |
| Fire resistance:      | M0 (UNE 23-727-90) |
| Abrasion resistance:  | Very good          |
| Corrosion resistance: | Very good          |
| Appearance and color: | Excellent          |
| Anodizing:            | Qualanod           |

EN 755-2

EN 12373-1





WESSEX Lab



Slip resistance\*:

Class 3

UNE 41901:2017 EX

R12

DIN 51130

Chemical resistance

- Ammonium chloride (household cleaner)
- Sodium hypochlorite (swimming pools)
- Hydrochloric acid low c. (3% v/v)
- Citric acid low c. (100 g/l)
- Potassium hydroxide low c. (30 g/l)
- Hydrochloric acid high c. (18% v/v)
- Lactic acid high c. (5% v/v)
- Potassium hydroxide high c. (100 g/l)



Partial immersion.  
No visible effects in any of the samples.

UNE-EN-ISO 10545 Part 13:2017

LABORATORIO CARPI



Water absorption

0,2 %

UNE-EN-ISO 10545-3



Frost resistance

No damage after 100 cycles

UNE-EN-ISO 10545-12



Stain resistance

- Chromium oxide stain in light oil
- Alcoholic iodine solution stain
- Olive oil stain

In all cases, the stain has been removed with running hot water for 5 minutes

UNE-EN-ISO 10545-14

AIDIMME

INSTITUTO TECNOLÓGICO



Fatigue strength:

No damage

25000 cycles 0,3 kN  
25000 cycles 0,75 kN  
25000 cycles 0,95 kN  
25000 cycles 1,10 kN

\*This profile has been tested in combination with a specific flooring. The result is indicative and is not guaranteed with other flooring. The standards mentioned have been expressly developed for materials for floors and coverings. In no case, the profiles are subject to mandatory compliance, nor can they be used to certify facilities by themselves.

## Materials

**ASTRA®** The Emac®'s ASTRA® material is an extra resistant polymer specially developed to obtain the best benefits in all kind of environments. Not only indoors but also in submerged or humid environments or outdoors. Thanks to the addition of biocides, which prevent from mold growing, it stands stable in humid and submerged environments. This material has a great impact resistance, improved in the formulation with several additives and a perfect balance of mineral reinforcer, which allows its use in floorings with guarantees.

The colors available are stable and durable, thanks to the studied dosage of maximum solidity dyes, preserving its appearance along the time. ASTRA® is the result of the constant innovation in Emac®, always working to offer highly functional and decorative products.

### Aluminium

The base profile of Novopeldaño ASTRA® Stella is a profile manufactured by aluminum extrusion. The finish is anodized. This process improves corrosion resistance, mechanical strength and appearance. The anodizing process is regulated by the Qualanod quality seal, which guarantees the quality of the process and the resulting profiles. This seal regulates appearance and color tests, thickness measurements, sealing and impregnation control, abrasion resistance, light fastness, acetic saline chamber and immersion in nitric acid.

## Installation

Novopeldaño ASTRA® Stella is a system for stair treads that is ideal for installation during or after construction. This system consists of a profile base made of anodized aluminum on which the ASTRA® profile sits, creating the whole set.

1. Clean the surface where the Novopeldaño ASTRA® Stella system is to be installed.
2. Place the base profile of the Novopeldaño ASTRA® Stella in its location, flush with the tread and well aligned with the riser. Mark the position of the holes.
3. Remove the profile and drill the holes for the fasteners.
4. Replace the base profile and fix it with the supplied fasteners. Start at the edges and continue with the rest. Make sure that the profile is aligned and level.
5. Apply adhesive to both sides of the aluminum profile. Then apply adhesive to the back of the Novopeldaño ASTRA® Nori.
6. Attach the two pieces and press firmly to join the surfaces together.
7. Allow the adhesive to dry and remove any leftover work. Observe the drying time established by the adhesive manufacturer before walking on the product.



Brief installation instructions for the Novopeldaño ASTRA® Stella system

The underside of the profile base of Novopeldaño ASTRA® Stella system can optionally accommodate a LED strip (not included). As required, it can be installed after the base profile has been installed, before the ASTRA® Nori is glued, or after the system installation has been completed. Make sure that the chosen LED strip fits into the LED recess.

## Cleaning and maintenance

ASTRA® material is resistant to most of the common cleaners, although is recommended cleaning it preferably with neutral cleaners and water. The correct use of bleach does not affect it and it is resistant to the most common acids. If you need to clean the striated surface deeply, you can use a brush to clean.

It is not recommended using organic solvents such as ethyl acetate, acetone or tolueno, so they could damage the surface appearance.

## 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](http://www.emac.es).

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



EXTERIOR  
OUTDOOR  
ESTERNO



INTERIOR  
INDOOR  
INTERNO



PAVIMENTOS  
FLOORING  
PAVIMENTI



RECYCLABLE  
RICICLABILE  
RICICLABILE

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