

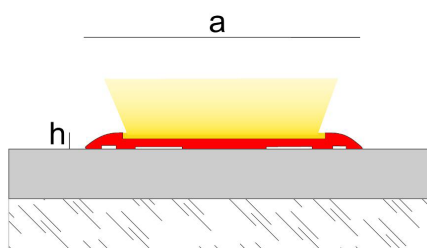
Novopletina Lumina



Plate profile made of anodized aluminium with a photoluminescent strip that serves as a guide in case of sudden absence of light. It can be installed as a flooring separator, in entrances, stairs or ramps and also as a luminous guide in walls. The photoluminescent strip is classified as Class B according to Spanish UNE 23035-4 standard, and exceeds widely the values required.

General Features

Material: Anodized aluminium + photoluminescent strip



Reference	Width (a):	Height (h):	Length (m):
NPLLUAL42PL	42 mm	2,5 mm	2,5 m

Applications

Novopletina Lumina can be installed as a flooring separator, in entrances, stairs or ramps... The photoluminescent strip is classified as class B according to the spanish standard UNE 23035-4.

This product can also be installed as a luminous guide in walls to guide evacuation routes.

Materials

Aluminium

The base of Novopletina Lumina is a profile made by extrusion of aluminum. These profiles have been anodized, improving through this process their corrosion and mechanical resistance and their appearance.

Aluminum is a material with excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable.

Photoluminescent strip

The strip of Novopletina Lumina is a 0,35 mm. thickness polymer with photoluminescent material classified as Class B according to the UNE 23035/4:2003 Standard. Suitable for outdoors and indoors, it can be cleaned with water and neutral soap and does not have significant content of phosphorus or plumb. Does not darken when placed outdoors.

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	
Luminescence(*)	Class B	UNE 23035/4:2003

(*) Minimal luminescence features after salt spray test.

Exposition time	Certified values	Real values	Values UNE 23035-4(2003): Class B
Luminiscence 10 minutes:	150 mcd/m ²	200 mcd/m ²	40 mcd/m ²
Luminiscence 60 minutes:	20 mcd/m ²	27 mcd/m ²	5,6 mcd/m ²
Decay time:	2000 minutes	2500 minutes	800 minutes

How long does Novopeldaño® Lumina glow?

FLUORESCENT (4000K/20 LUX) Poorly lit areas

Exposition time	Hours of visibility until 5 mcd/m ²	Hours of visibility until 0,3 mcd/m ² (UNE 23035/4)
5 minutes	0,46 h	21 h
10 minutes	1 h	28 h
20 minutes	1,9 h	33 h
30 minutes	2,3 h	33 h

FLUORESCENT (4000K/150 LUX) Reasonably lit areas

Exposition time	Hours of visibility until 5 mcd/m ²	Hours of visibility until 0,3 mcd/m ² (UNE 23035/4)
5 minutes	2,5 h	33 h
10 minutes	3,36 h	41 h
20 minutes	3,75 h	46 h
30 minutes	3,75 h	46 h

FLUORESCENT (4000K/300 LUX) Well lit areas

Exposition time	Hours of visibility until 5 mcd/m ²	Hours of visibility until 0,3 mcd/m ² (UNE 23035/4)
5 minutes	3,16 h	40 h
10 minutes	3,8 h	46 h
20 minutes	3,8 h	46 h
30 minutes	3,8 h	46 h

These charts represent how long does Novopeldaño® Lumina remain visible under a more demanding requirement (5 mcd/m²) or according to the decay time indicated in the UNE 23035/4 standard (0,3 mcd/m²) after being exposed to different energy intensities.

Installation

Novopletina Lumina is to be installed in any place when the work is finished. It can be installed in two different ways:

- **Glued:** be sure that profile and support are clean and dry. Apply adhesive on the rear of the profile and glue it directly in the desired place. We recommend using polyurethane mastic or similar.
- **Screwed:** you can purchase the profile screwed for mechanical fixings. Place the profile, mark the holes, drill and fix.

Cleaning and maintenance

The 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 it 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 their Technical File from www.emac.es.

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