

# Data sheet SEPARATOR BIKE LANE PHOTOLUMINESCENT/ REFLECTIVE



Abadecom is a company dedicated to solving plastic pollution in our rivers, seas and cities, as we contribute to freeing the environment from a heavy load. Betting on offering solutions to the uncontrolled accumulation of mixed plastic polymers, non-reusable, that end up in landfills or landfills.



## Application field

Our photoluminescent and reflective bike lane separator is composed of 100% recycled and recyclable plastic, its ends are painted with high intensity refracting white paint approved by traffic and glass spherilla to increase its visibility, it also has two reflective stickers on each side and a photoluminescent piece encapsulated at the top.

Offering countless safety advantages and improvements in road mobility; since, according to the customer's needs, it can cover several benefits, either for city or for poorly lit areas.

It has a simple and fast fixing system through anchor screws, as well as high resistance to water and ultraviolet rays.

## Properties of the product

- Recycled PVC provides long life and resistance to the effects of UV radiation.
- Measures: 700 mm de largo
- 160 mm wide
- 100 mm high
- Weight: 6.5 kg
- Color availability: Black and Yellow
- 100% recycled and 100% recyclable PVC
- Sterile, hygienic, easy to clean and anti-vandalism
- Reflective paint with high intensity spheres, approved by traffic.
- Fast, clean and easy assembly
- Products manufactured under the highest EU quality standards to ensure durability and functionality in adverse conditions.
- The luminescent device is activated by sunlight or artificial light (This device allows its visibility in dark conditions or in poorly lit areas).
- Once the photoluminescent part is charged, the luminescence lasts for more than 12 hours in dark conditions.
- The white reflective parts are visible more than 400 meters away.

## ENVIRONMENTAL INFORMATION

- For each photoluminescent bike lane separator unit, **22.75 kg of CO2 has been no longer emitted into the atmosphere.**



## PROPERTIES OF WHITE PAINT

- Very good mechanical resistance, with great hardness and great resistance to wear and abrasion.
- Excellent chemical resistance, protects the surface of the product from spills of chemicals, such as acid solutions, bases and solvents. Impervious to water.
- Glossy finish: at 60° greater than 75%.
- Stormer viscosity at 20°C Comp A: 75-85±5 KU
- Acta for exteriors with very good retention of brightness and color

## PROPERTIES OF REFLECTIVE TAPES

- The technical grade reflective tape used is a non-metallized reflective film with microprismatic lenses designed for use in the production of durable reflective signs, work zone devices and vertically in-service delimiters.
- Tape material: PET.
- Measures: 300x50 mm
- Reflective tape format: Micro Prismatic.
- Retroreflection coefficient: ASTM D4956 type I/II and European standard EN12899 RA1.
- A superior visibility of 50 meters.
- Durability: 3 years
- Observation angle of 0.2°/140 Min (RA)  
First Reading 0°/-4°: 615,0 (RA)  
90°/-4°: 409,0 (RA)  
0°/+30°: 112,0 (RA)  
90°/+30°: 35,4 (RA)
- Observation angle of 0.5°/50 Min (RA)  
First Reading 0th/-4th: 335.0 (RA)  
90°/-4°: 445,0 (RA)  
0°/+30°: 56,3 (RA)  
90°/+30°: 31,9 (RA)

## INSTALLATION INSTRUCTIONS

- Screw 12x100 zinc-plated, DIN 571, hardness 8.8 (Used in a wide variety of installations and construction assemblies. Its hardness provides greater reliability in the different constructive assemblies that require a better constructive assemblies that require a screw of better performance and resistance).
- PLUS MAT 14x60 dowel (Multi-material polyamide dowel for block, concrete, hollow brick, solid brick).
- Standard washer 13 zinc-plated ≥3µm. (Flat washer with wide flange).







## INSTALLATION INSTRUCTIONS

It is fixed to the surface by means of two screws (12x100mm) placed at both ends of the spacer, which are inserted into the previously drilled holes.

A distance of 1.50 meters between spacers is recommended.

## ADVANTAGES OF 100% RECYCLED PVC

- Highly resistant.
- Thermal and electrical insulation
- Absorbs shocks
- Minimal maintenance.
- Easy handling.
- Inert to environmental degradation.
- It does not splinter.
- Almost unlimited durability.
- Ecological and non-polluting.

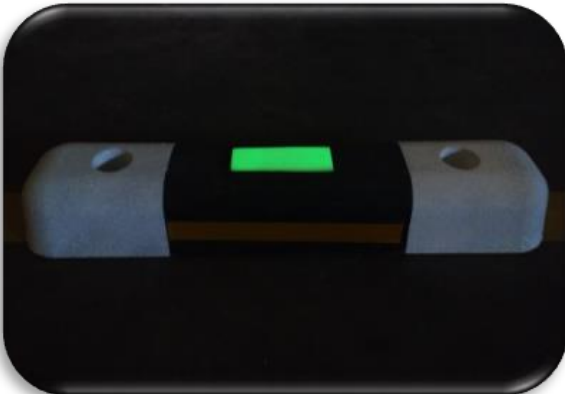
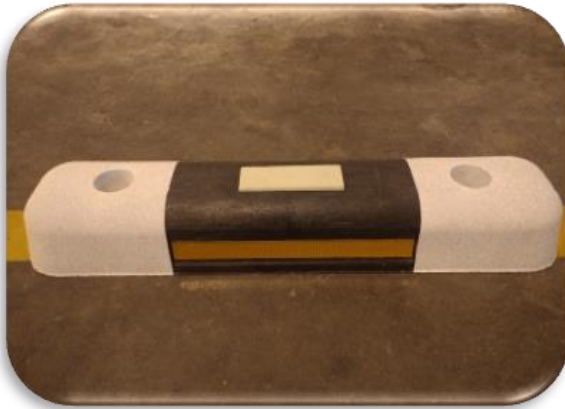


## PROPERTIES OF THE PHOTOLUMINESCENT PART

|  |                                       |
|--|---------------------------------------|
| <b>Gloss color:</b>  | <b>Green.</b>                         |
| <b>Operating temperature range</b>   | -15°C 50°C.                           |
| <b>Luminance after 10 minutes</b>  | Greater than 1 300 mcd/m <sup>2</sup> |
| <b>Luminance after 60 minutes</b>  | Greater than 190 mcd/m <sup>2</sup>   |
| <b>Attenuation Time UNE 23035 (*)</b>  | Greater than 26.600 minutes.          |
| <b>(*) Logarithmic extrapolation according to UNE 23035 until obtaining the time in which the luminance is 0,3 mcd/m<sup>2</sup></b> |                                       |
| <b>The technical data reflected is based on the technical knowledge obtained in external laboratories and by our technicians.</b>    |                                       |

**Keep in mind that in order to appreciate the effect of luminance, light does not have to fall directly on the piece.**

This data sheet, like all recommendations and technical information, is solely for the description of the characteristics of the product, how to use and its applications. The data and information are based on results obtained in external laboratories and on the knowledge of our technicians.







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