

1. Product

Ⓢ Everlux®-LLL Aluminium floor strips

2. Product Description

Aluminium floor profile with non-slip self-adhesive polycarbonate Ⓢ Everlux®-LLL with 0.3mm thickness.

Aluminium floor profile Ⓢ Everlux®-LLL which has been specifically designed to be laid on uneven floor surfaces so that escape route boundaries can clearly identified in an emergency situation and/or in the event of power failure. The low profile strips are supplied with an anti-slip photoluminescent polycarbonate top surface with the aluminium profile edges consisting of fine blades along their full length which enhance the floor strip's anti-slip properties even in the event of oil or lubricant spillage.

The Aluminium floor strips Ⓢ Everlux®-LLL are supplied ready cut to your specific requirements up to a maximum length of 2.5m and are supplied with a high-tack adhesive which allows easy installation on clean, dust and grease free floor surfaces.

3. Photoluminescent Properties

Ⓢ Everlux®-LLL products fully conform to the International Norms ISO 16069 and IMO A.752 (18) Resolution.

When stimulated with an ambient light emitting 25 lux for 15 minutes the photoluminescent characteristics are as follows:

| Time after removing the exciting light (in minutes) | Luminescent intensity (mcd/sqm) |
|--|---------------------------------|
| 10 minutes | 80 ¹ |
| 60 minutes | 10 ¹ |
| Luminescent intensity 100 times greater than the limit of human visibility | Period of light decay (minutes) |
| 0.3 mcd/m ² | 1000 ¹ |

- When stimulated with ambient light of only 1000 lux during 5 minutes, the photoluminescent characteristics are as follows:

| Time after removing the exciting light (in minutes) | Luminescent intensity (mcd/m ²) |
|--|---|
| 10 minutes | 150 ¹ |
| 60 minutes | 21 ¹ |
| Luminescent intensity 100 times greater than the limit of human visibility | Period of light decay (minutes) |
| 0.3 mcd/m ² | 2000 ¹ |

¹The luminescent intensity of the non-slip self-adhesive strips on the floor may be lower due to the protective layer of the polycarbonate.

4. Abrasion and anti-slip properties

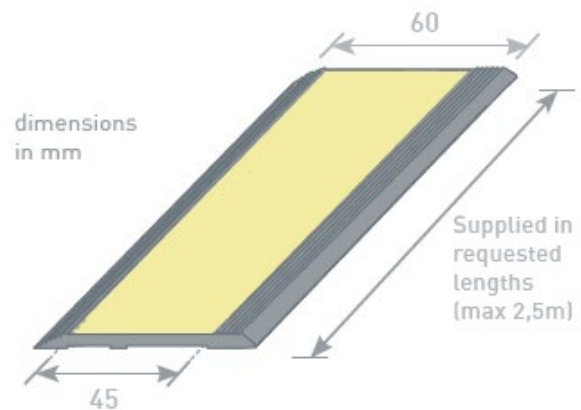
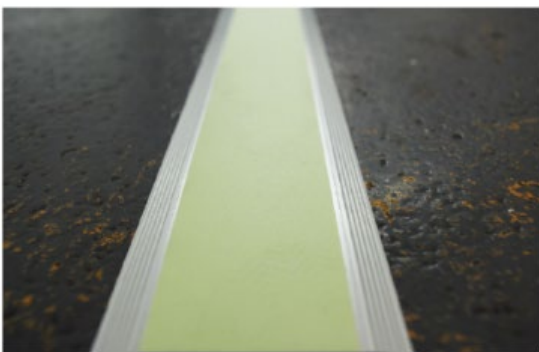
. Please, consider the technical data sheet for the Everlux-LLL products.

5. Dimensions and Colours

Base material: grey (aluminium on its natural colour)

Dimensions:

Aluminium floor strips



6. Positioning and Mounting

The installation of the product should follow the following indications:

Preparation of the application surface:

All surfaces on which signs are to be installed shall be considered as contaminated.

Cleaning and Degreasing - For this operation a degreasing solution must be used; for example isopropyl alcohol in the proportion 70% isopropyl alcohol and 30% water.

The cleaning operation must be done in two phases:

- 1st apply the degreasing solution to the surface and clean the whole surface in circular movements with paper or cloth that does not leave residues, in order to remove dirt and grease.
- Apply the degreasing solution to the surface and clean only in one direction only.

Drying – Let it dry, waiting 2 to 3 minutes until all cleaning solution evaporates. Do not touch the previously cleaned and degreased surfaces with your fingers.

Product application

Removal of the protective paper from the sign adhesive - Remove the self adhesive adhesive backing paper in one corner of the product without touching the adhesive.

Application of the product - Apply the sign in the previously prepared place, avoiding the formation of bubbles and exerting pressure throughout the sign area. It is recommended to use a roller for better distribution of forces throughout the surface.

The quality of the adhesion will depend on the amount of contact between the adhesive and the installation surface. A strong, homogenous pressure promotes union.

The application should be made at the room temperature between 15°C and 25°C, and never be less than 15°C.

Once applied, at the recommended application temperature, possible temperature changes are generally well tolerated by the glue, without modifying the adhesion properties of the glue.

Adhesion time - Until adhesion is considered complete, some time is required: approximately 50% final adhesion is obtained after 20 minutes, 90% after 24 hours and 100% after 72 hours (at room temperature).

Caution - before installation it is essential that the installer evaluate the surface where the signs are to be installed:

Rough or porous surfaces

A rough or porous surface will not allow the application of self-adhesive elements and may require installation by screwing.

Parallelism of the surface to be installed

Surface parallelism is essential to adhesion quality. On surfaces where there is no complete parallelism, the need for alternative installation solutions such as mastic glue or structural glue, or bolting to support structures or directly to the surface, must be considered.

Special surfaces

Some surfaces have special characteristics such as the presence of coatings that impart specific characteristics to the surfaces. This type of surface usually has a low surface energy and may require special preparation (eg primary application). It is the responsibility of the installer to evaluate the surface and, if necessary, to ask the manufacturer for instructions on the correct preparation of the surface.

Examples are the following materials: Polypropylene (PP), Polystyrene (PS), Polyolefin Thermoplastic (TPO), Polytetrafluoroethylene (PTFE), Polybutylene Terephthalate (PBT), Polyvinylidene Fluoride (PVDF), Polyurethane (PU), among others

7. Cleaning

The products do not require any particular attention and can be cleaned using either with a dry or damp clean cloth. Do not use detergent products.

8. Guarantee

Under suitable conditions of application and in indoor environment and proper cleaning, a guarantee of 3 years is provided against defects of manufacture.

Exposure to the following conditions may affect the durability of the product:

- Submersion or jets of water, as well as humid environments and leaks may reduce the strength of the product and as such the warranty period.
- For outdoor applications, considering the possibility of exposure to temperature and other extreme environments, this period may be shortened.

The adhesive used in the floor profiles is composed of a double-sided polyethylene foam impregnated with an adhesive that allows immediate fixing.

For a longer product life, consideration should be given to the type and state of the application surface, the type of movement to be subjected and the methods of cleaning. Refer to point 6 of this data sheet.

9. Health and safety

The product does not contain any radioactive substances and in terms of toxicity the product is considered safe according to the European Norm EN 71-3.

10. Quality and Certification

ⓧ **Everlux**[®]-LLL products have Lloyd's Register Type Approval Certification.

The quality of ⓧ **Everlux**[®]-LLL products is ensured and maintained by means of a rigorous process of quality control using testing measures conducted in our own laboratory whilst observing all applicable Norms and Standards;

11. Legislation and Normative references

All of our signs ⓧ **Everlux**[®]-LLL fully conform to the following Norms:

- ISO 16069
- EN ISO 7010
- Norms ISO 3864
- ISO 15370: 2010(Ships)
- IMO Resolution A.752 (18)
- Norms DIN 67510