

#### 1. Product

 Everlux® Photoluminescent maritime safety signs and marking strips/rolls.

#### 2. Product Description


Photoluminescent self-adhesive plastic, 0.39 mm thickness, antistatic surface and easy to clean.

#### 3. Application


Clean and degrease very well the surface where the self-adhesive plastic will be applied, ensuring that was removed all grease and dusty that could be in the surface; remove the protector film of the adhesive; apply the product in the previously cleansed surface and press all the surface of the sign to fix it permanently.

More information in  Everlux® IMO catalogue, in chapter "Mounting Options" .

#### 4. Photoluminescent properties


The  Everlux® products fully conform to the International norms DIN 67510-4:2008, ISO 16069:2004, IMO A.752 (18) Resolution and ISO 15370:2010. When stimulated with 1000lux during 5 minutes, the photoluminescent characteristics are as follows:

Time after removing the exciting light (in minutes)	Luminescent intensity (mcd/sqm)
10 minutes	100
60 minutes	10
Luminescent intensity 100 times greater than the limit of human visibility	Period of light decay (minutes)
0.32 mcd/m <sup>2</sup>	1200

According to the ISO 15370:2010, in conditions of stimulation with 25lux during 24 hours and a fluorescent tube 8W-4100K, the  Everlux® products have the following photoluminescent properties:

Time after removing the exciting light (in minutes)	Luminescent intensity (mcd/sqm)
10 minutes	40
60 minutes	8
Luminescent intensity 100 times greater than the limit of human visibility	Period of light decay (minutes)
0.32 mcd/m <sup>2</sup>	1800

#### 5. Dimensions, Pictograms and Colours

The products are in conformity to  Everlux® catalogue and according to National and International Norms and Legislation.

**6. Printing**


Serigraphy: high quality gloss paint with UV resistance.

**7. Cleanliness**

The products do not require any particular attention, clean with a dry clean cloth or a cloth humidified with water (without detergents).

**8. Guarantee**

In normal conditions of mounting and adequate cleanness, the products have an indoor durability in excess of 5 years.

The durability and warranty of the  **Everlux**<sup>®</sup> self-adhesive vinyl signs are directly affected by the conditions of the surface where the product will be applied.

Therefore considerations have to be taken regarding the surface type (roughness level, porosity level, etc), the surface cleanliness (only a dust-free, grease-free, and any dirt-free surface will allow a good adhesion), and the temperature on the installation location and of the surface itself.

For exterior applications, considering exposition to varying temperatures, humidity and other extreme environments, this guarantee can be diminished; as well as in surfaces uneven, rough and porous (that are not the more suitable surfaces to apply self-adhesive vinyl signs), this guarantee can be diminished.

**9. Health and safety**

The product does not contain any radioactive substances. In toxic terms the product is considered as safe (European norm EN 71-3).

**10. Quality and Certification**

The quality of  **Everlux**<sup>®</sup> products is ensured by a rigorous process of quality control with tests in our own laboratory observing all applicable norms;


**11. Legislation and Normative references**

All of our signs are in conformity to the following norms:

- ISO 24409-1:2010
- ISO 16069:2004
- EN ISO 7010:2012
- ISO 3864-1:2011
- ISO 3864-2:2004
- ISO 17631:2002
- ISO 15370: 2010
- ISO 14726:2008
- ISO 20712-1:2008
- BS 5499-11:2002
- DIN 67510-1:2009
- DIN 67510-4:2008

- IMO Resolution A.654 (16)
- IMO Resolution A.752 (18)
- IMO Resolution A.760 (18)
- IMO Resolution A.952 (23)
- Solas Convention 2004 chapter II-2 Reg. 13.3.2.5
- Solas Convention 2004 chapter II-2 Reg. 13.7.2.2
- Solas Convention 2004 chapter III-2 Reg. 9.2.3
- MARPOL 73/78 : 1978
- ISPS Code 2003
- ICAO and IMO document 9636
- IMDG Code 2010 Edition
- ISM Code 2010 Edition
- European Commission Directive 2002/25/EC

## 12. Specificities

The  Everlux<sup>®</sup> signs for external environments or wet environments with the presence of water with strong acid or alkaline content (eg limestone, salt and chlorine) should be protected by a transparent anti-graffiti film. This film, besides the anti-vandalism features, provides effective protection to environmental aggressions (pollution, humidity, UV radiation, chemicals ...).