

# Everlux® news

## Tunnels signing



### Tunnels signing

In a closed space like a tunnel, accidents and especially fires can have tragic consequences. The fires in the tunnels of Mont-Blanc (39 dead) and Tauern (12 dead) in 1999, and in the San Gotard tunnel (12 dead) in 2001 have raised more than just the worry with safety in road and railway tunnels. In order to prevent disasters and to minimize their repercussions, Directive 2004/54/CE was approved on 29 April 2004, specifying the minimum safety requirements for tunnels in the trans-European road network.




### New Everlux® adhesive




### Quality certificates


## editorial

To support all of those involved in the safety market,  Everlux® has been present at most of European exhibitions, in order to continue presenting our innovative products and solutions for a safer evacuation in emergency situations.

In 2007 Everlux launched the  Everlux® newsletter as part of this continuous support.

As the present world, society and economy are in constant evolution and to help all of



those with activity concerning safety issues,  Everlux® website is being constantly updated with innovative products, the latest product development, future exhibitions and news.


 Everlux® website has an user friendly design, which leads you continent to continent, country to country. When accessing each country personalised information will be supplied.


Its objective is to help each user to better form an opinion on safety, supported in technical and normative knowledge.


In order to meet the needs of our various world markets,  Everlux® 

## New Everlux® Adhesive

The  Everlux® adhesive was especially developed for the best fixing of signs without using screws or nails. It meets the market demand for a quick and efficient way to fix the  Everlux® signs in the most varied types of surfaces.

The  Everlux® adhesive is a high-consistency mastic type adhesive, which allows the signs to be fixed to irregular surfaces (up to 5mm), with just a small amount of adhesive.

Among its characteristics it is a lot more economical than traditional mastics and provides higher coverage than silicones (which is used to seal). As it is a mastic type adhesive, only a minimal amount of  Everlux® adhesive is required to fix the signs.

We can always achieve a much lower consumption of the  Everlux® adhesive when compared to any other silicone, to fix the same amount of signs.



## > Tunnels signing

### The objectives:

Prevention (to prevent critical situations which may put lives at risk, the environment and the installations of the tunnels).

To minimize the consequences (related to events such as accidents and fires) by planning the ideal pre-requisites in order to:

- enable the people involved in the disaster to ensure their own rescue
- enable the immediate intervention of the road users to avoid further damage
- guarantee the efficient intervention of the emergency services
- protect the environment
- limit the material damages

In case of a disaster or accident, the first 10 to 15 minutes are crucial for self-rescue and the limitation of damage.

The prevention of critical situations constitutes therefore the first priority, which means that the most important measures to be taken will have to be of a preventative nature.



### Signing

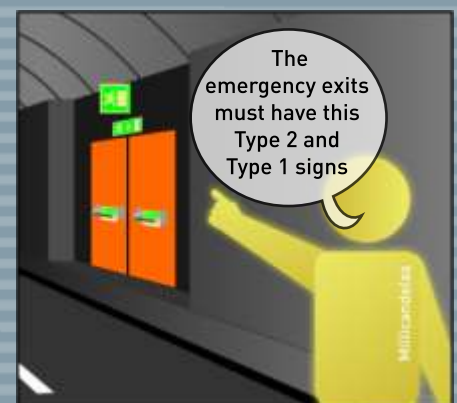
Signs to be used to indicate the following safety installations in the tunnels:

**Emergency exits** – the emergency exits must be located less than 500 metres apart. The same signs must be used for all types of emergency exits.

The numbering of the emergency exits in long tunnels will make it easier for their users to be evacuated and/or set free.

**Evacuation routes** – the two nearest emergency exits must be signed on the side walls, at a distance under 25 metres and at a height of between 1 and 1.5 metres above the evacuation route with an indication of the distance to the exits.

## millicandelas

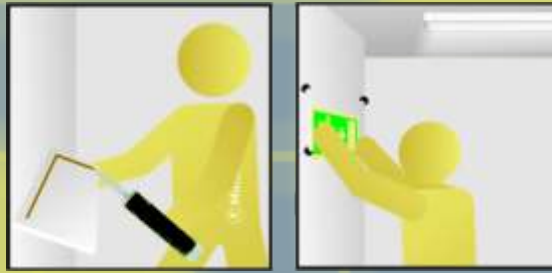



> The most efficient method for a good and quick fixing of the signs is to apply a drop of adhesive in the four corners of the sign and press them against the surface where they are going to be applied so that the glue forms a very thin layer.

Following, and especially in areas that may be subject to vandalism, a thin line of glue may be applied around all the edges of the sign, at 1cm from the edge. As with the previous method the sign may be repositioned following

up to 5 minutes, after which will form a very strong bond.

The coverage of the **Everlux** adhesive depends on the method used and on the dimensions of the signs. Taking as a reference a sign with 150x200mm, if fixing all around the sign, over 25 signs can be fixed; if the adhesive is applied only to the corners, over 150 signs can be fixed.



For more information, see **Everlux** adhesive "Safety Data Sheet" 




**Emergency equipment location** – signs with the indication of an emergency telephone or of fire extinguishers. Safety recess areas that are separated by a door, must have a text clearly written in the applicable languages indicating that the recess area does not offer protection in case of a fire.

**Everlux** has launched 4 years ago a specific sign system which meets all the safety

requirements that have now become compulsory: the **Everlux<sup>2</sup>-AL** (see **Everlux** catalogue pages 54-59).

Manufactured on an aluminium basis they meet all the requirements for fire resistance that are now compulsory in all tunnels.

The weak light that is generally associated with tunnels does not represent a problem to the performance of **Everlux<sup>2</sup>-AL**. Since these signs are manufactured with a new generation of photoluminescent pigments, they can guarantee a great luminance capacity even in the worst conditions of surrounding light.

The experience obtained with other markets combining the **Everlux<sup>2</sup>-AL** with the **Everlux<sup>2</sup>-LLL** (low level photoluminescent safety signs) enables us to have the best solutions in the tunnel safety area. 




Picture 1

Picture 1 – most correct installation



## > Editorial

website clearly lists our compliances with national and international norms.

At [www.everlux.eu](http://www.everlux.eu) you can access  Everlux® company history, its mission statement, all product technical characteristics, product certification and guaranties.

Please visit us at:  
[www.everlux.eu](http://www.everlux.eu)



## Quality Certificates

Quality and Certification are current topics, which have been treated in different forms and in the most varied contexts. Despite their importance, they are often misunderstood and used incorrectly.

What is certification?

It is a guaranty of a clear commitment to the quality of services and/or products, ensuring the standard of those services and/or products, according to quality requirements (norms and technical specifications) and also to client demand. This guaranty is the result of an independent evaluation made by an impartial organization.



A distinction should be made between product certification and quality system certification. The fact that a company has its management system certified does not mean that the products it manufactures are certified, or vice-versa.


The Quality Management System is based on the international reference for Quality Management, ISO 9001:2000, applicable to any organisation in all the sectors and activities of any country.

Ertecnica's Quality Certification is therefore a proof of the commitment of its management towards the quality of its products, through the management of tools and indicators that

allow the implementation and monitoring of the continuous improvement of its performance, i.e. it certifies the work processes of the company. Product Certification ensures that the product meets the reference norms or technical specifications, showing that the product was produced under a manufacturing process and with a quality control system, which guarantee the expected quality and efficacy, i.e. it certifies the quality of the product.

The Product Certification is the best guaranty a client can have that the product meets the applicable requirements. Photoluminescent Safety Signs are certified by Lloyd's Register Type Approval.

The advantages of the Certification are among others the recognition of the quality of the products by the market in general and the consolidation of the trust of our clients and business partners towards  Everlux® products. This is shown through more competitive advantages versus non-certified products, since in an impartial and credible way, we can demonstrate the quality, reliability and efficacy of the  Everlux® products, as well as the quality of service we provide.

For a total personalisation and identification, and for an easier understanding of the quality of our products, i.e. to better demonstrate and guarantee their quality,  Everlux® signs have printed on their lower part the relative brand and their efficacy values.

We can also make our certificates of compliance available, duly personalised with a water mark (showing the name of the building and its specific location), which allows our clients and business partners to guarantee the conformity of the signs they are planning to install, and guarantee to the final user that the equipment installed meets the agreed requirements.

The personalisation of our certificates is therefore evidence of the quality of our products and of our personalised service.

