



PHOTOLUMINESCENT SAFETY SIGNAGE

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INTRODUCTION - SAFE SIGN

What is SafeSign?

SafeSign is Nordic Sea Safe's Dutch manufacturer of state of the art photoluminescent Safety Sign products. They have a leading position in markets such as cruise- and ferry's, offshore and safety signs solutions for buildings and the industrial market. Besides safety signs they also manufacture photoluminescent tapes and anti-slip products to guarantee safety and clarity in potentially dangerous situations. Safe Sign offers a wide range of standardized products and tailor-made products to fulfill customers specific demands and needs. The quality of Safe Sign products can be found all around the globe, in buildings, industrial plants and on sea.

How it started?

In 2010 photoluminescent safety sign specialists from the Netherlands, Germany and Norway joined forces to innovate safety sign production and established Safe Sign Products (SSP). Dinxperlo, the Netherlands was chosen as location to build a state-of-the-art production facility, centrally located between Rotterdam, Amsterdam and Hamburg, Germany. Today, almost 10 years later, all founders are still involved and keep investing to maintain their position as the most innovative safety sign manufacturer.

Capabilities?

Safe Sign has stock all of standardized signage products from our IMO catalogue and all ISO standards in PETX, our innovative, environmentally friendly, UV resistant and 100% recyclable base material. This way we ensure we can deliver our product fast and adequate from stock, to fulfill our customers' demands. Under private label we also manufacture safety signage on both aluminium, PVC or vinyl if required.

Their design office is not only equipped with the latest DTP tools, but also trained and fully up to date on all legislations related to safety signage. we do not only draw your signs, but also advise and ensure full compliance.

Safe Sign production is set up in such way, we can produce bulk orders up to 2000 signs per hour, or print one-off individual signs for your specific needs, on PETX, aluminium, PVC or vinyl. This according to your lay-out or based upon an ISO standardized design from our extensive database of drawings.

PHOTOLUMINESCENCE

Photoluminescence (often referred to as P.L.) is the emission of light from any form of matter after excitation from another light source, also commonly called ‘glow in the dark’. To put it simply; photoluminescence material stores the energy from a light source and releases it as light in darkness. Three criteria are important to evaluate the quality of photoluminescence; the time required to charge the photoluminescent material, the time the photoluminescent will glow after the charging light is removed and the luminance of the photoluminescent material. These three factors can differ substantially depending on the quality of the material. Safe Sign only offers photoluminescence material which meets and exceeds all the required standards. Of course, Safe Sign only uses environmentally friendly products which do not contain any toxics or radioactive materials.

The real beauty of photoluminescent products, in the context of a Safety Way Guidance System, is that they do not need electricity to glow in the dark, if properly sited and maintained. In an emergency situation where a mains failure has occurred, they will immediately light the way to safety even in conditions with limited sight, like smoke.

Photoluminescence in safety signs

One of the occasions where a photoluminescent effect is used by SafeSign are safety signs. Safety signs are signs that give a general safety message, through a combination of colour and geometric shape and which, by addition of a graphical symbol, give a particular message. They are used at high, low and intermediate locations in a Safety Way Guidance System to guide the evacuee to a place of safety. Combining these signs with photoluminescent properties ensures a clear guiding system for all nearby people.



SafeSign PETX sign in daylight



SafeSign PETX sign in the dark

Applicable standards and resolutions vs. Safesign standards and resolutions	Luminescent intensity (mcd / m ²) after 10 minutes	Luminescent intensity (mcd / m ²) after 60 minutes
IMO Res. A.752(18)	15 mcd / m ²	2 mcd / m ²
ISO 15370	15 mcd / m ²	2 mcd / m ²
DIN 67 510-4	23 mcd / m ²	3 mcd / m ²
ISO 17398 Class A	25 mcd / m ²	3 mcd / m ²
ISO 17398 Class B	50 mcd / m ²	7 mcd / m ²
ISO 17398 Class C	140 mcd / m ²	20 mcd / m ²
ISO 17398 Class D	260 mcd / m ²	35 mcd / m ²
ISO 17398 Class E	400 mcd / m ²	55 mcd / m ²
ISO 17398 Class F	520 mcd / m ²	70 mcd / m ²
SafeSign XL	Class B+	Class B+
SafeSign XXL	Class C+	Class C+
SafeSign XXX	Class E+	Class E+

SAFESIGN SIGNAGE PRODUCTS

PETX signage

Most likely the biggest innovation in signage is our range of PETX signage. The ambition was simple, use the most environmentally friendly, flame retardant, UV resistant, transparent and 100% recyclable plastic, and print it from the backside. The result is our PETX signage range which offers more benefits than any other can offer you;

- Halogen free product
- UV resistant (does not discolour)
- Glossy high-quality finish
- Easy to wipe clean
- 100% recyclable
- Self-adhesive backing for easy fix
- Flame retardant
- Private label possibilities



SafeSign PETX sign installed near a fire extinguisher



SafeSign PETX sign with it's afterglow effect

PVC signage

The most commonly used base material in the market for signage is still PVC. We produce PVC signage under private label for several customers. Due to the simplicity of the manufacturing process PVC is suitable for high volume production, and moreover, at short delivery times.

- Economic pricepoint
- High-volume production
- Short delivery times
- Private label possibilities



Aluminium signage

Aluminium signage offers you the 'premium', luxury look you may be looking for. Besides the great looks, aluminium signage is a very durable product. Our aluminium signs have the same outstanding photoluminescent quality. This makes them great to be used in areas where regulations prescribe the use of non-combustible signage besides our PETX signage. Due to the flexibility of the aluminium material, we can offer several bend aluminium signs. We produce single-sided or double-sided wall-mount signs when your specific situation requires this.

Next to our regular aluminium signage we offer panoramic aluminium signage solutions. These products make it possible to display a safety sign widely. The pre-drilled holes make it easy to install, and the aluminium signage comes with the same outstanding properties as the flat aluminium signage. Panoramic aluminium signage realizes a 180° angle reach, which means people will see the sign from a far distance from a 180° range. As well as our regular flat aluminium signage, panoramic aluminium signage features the same outstanding photoluminescent quality.



Aluminium sign installed near a fire hose reel



Panoramic aluminium signs installed near a fire extinguisher

Special / Custom signage

In addition to the signage products we offer in our catalog, we also offer the possibility to manufacture your specific custom signage products. Thanks to our extensive printing equipment and experience in custom print assignments we are able to manufacture your custom signage products at a very competitive pricepoint.

Among other things, we offer the following custom signage possibilities:

- Private label signage
- Custom safety signage
- Custom aluminium signage
- Company details on signage

If you have any questions regarding our custom signage possibilities, feel free to contact us.



ESCAPE-, FIRE-, AND RESCUESIGNAGE

ISO safety signage

We stock a wide selection of Escape-, Fire-, and Rescuesignage all according to the applicable ISO 7010 rules and regulations. Below you will find a brief selection of the signage products we offer, each in their specific category. All of our signs can be produced on the various product materials described in the chapter SafeSign Signage Products. If you would like to receive our full signage catalog or would like to know more about our custom signage possibilities, feel free to contact us.



About ISO 16069:2017

ISO 16069:2017 describes the principles governing the design and application of visual components used to create a safety way guidance system. ISO 16069:2017 contains general principles valid both for electrically powered and for photoluminescent components. Special information which is related to the type of component is given to assist in defining the environment of use, choice of material, layout, installation and maintenance of SWGS.

SafeSign is able to deliver all signage products belonging to ISO 16069:2017. In addition to manufacturing and supplying these signage products, we are also able to do complete signage surveys and refurbishments. All according to the applicable standards and regulations. If you would like to receive more information on this subject, feel free to contact us.

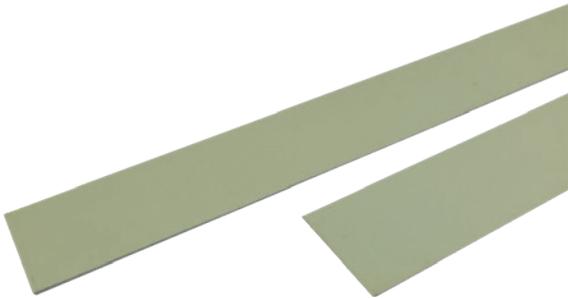


ESCAPE ROUTE GUIDING PRODUCTS

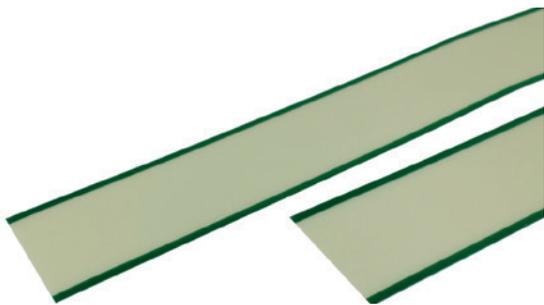
Our range of escape route guiding products

We offer several products that will allow you to indicate your escape routes in a safe, clear and efficient way. Our products range from photoluminescent strips to anti-skid traidots, stairnose markers and aluminium insert profiles.

Guideline LLL standard strips



Guideline LLL PETX halon-free strips



Aluminium LLL profile - flat

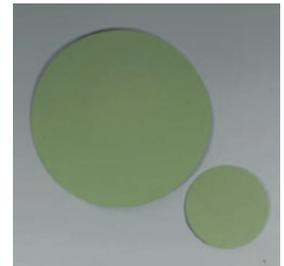
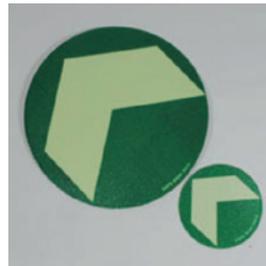
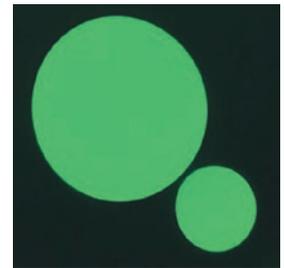
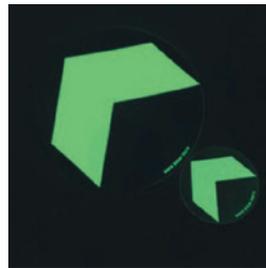


Aluminium LLL profile - angled



Anti-slip traidots

Photoluminescent traidots for marking routes and staircases, available with or without an arrow. Equipped with adhesive backing.



Stairnose markers

Photoluminescent stairnoses that are meant for marking stairs in escape routes. Equipped with adhesive backing.



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