



**PHOTOLUMINESCENT
SAFETY SIGNS FOR**

















**PUBLIC
TRANSPORTATION**



PHOTOLUMINESCENT
SAFETY SIGNS FOR

PUBLIC TRANSPORTATION



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Technical Characteristics

Photoluminescent Safety Signs


ISO 17398: 2004 - establishes the classification of photoluminescent products according to their luminance properties.

The method of measuring performance is according to ISO 17398: 2004

Standards and Regulations	Luminance intensity (mcd/m²)				Period of light decay
	2min	10min	30min	60min	Luminance intensity greater than a 0,3 mcd/m²
ISO 17398 Classe C according to UNECE Regulation 107	690	140	45	20	---
	1032	215	70	30	3100 minutes

Performance	
215	Luminance intensity after 10 min (mcd/m²)
30	Luminance intensity after 60 min (mcd/m²)
3100	Luminance intensity greater than a 0.32 mcd/m² (min)
Colour code	
W	Colour during stimulation (w)- white
K	Colour in period of light decay (k) – light green shade of yellow

Performance of the Sign - a Technical Guarantee for the Market

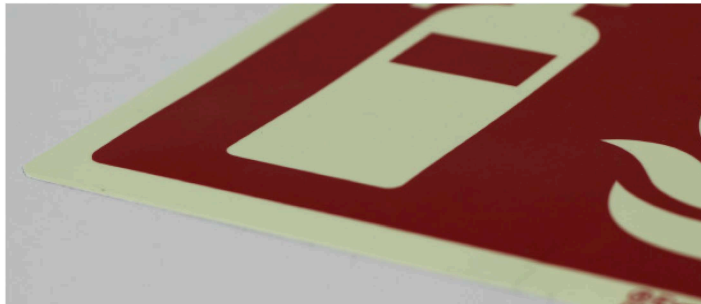
The technical properties are printed on all  Everlux® photoluminescent safety signs and illustrate their performance as per the requirements of the Standard. This helps specifiers and consumers make an informed decision when considering which safety signs to use⁽¹⁾.



Therefore, identification of a product is of significant importance as it guarantees the quality of the product.

Materials - Types and Characteristics

PHOTOLUMINESCENT SELF-ADHESIVE ☼Everlux® VINYL



Product Description

Photoluminescent self-adhesive PVC film, 0.22mm thick, antistatic surface and easy to clean.



Fire Resistance

The material does not contribute to fire propagation and is classified as a flame retardant according to IEC 60092-101: 2018

Once installed, the product tolerates a temperature variation between -40°C and +100°C.

The product is certified by Lloyd's Register Type Approval.

WHITE VINYL



Product Description

Self-adhesive PVC film, 0.12mm thick, antistatic surface and easy to clean.



Once installed, the product tolerates a temperature variation between -30°C and + 120°C.

TRANSPARENT VINYL



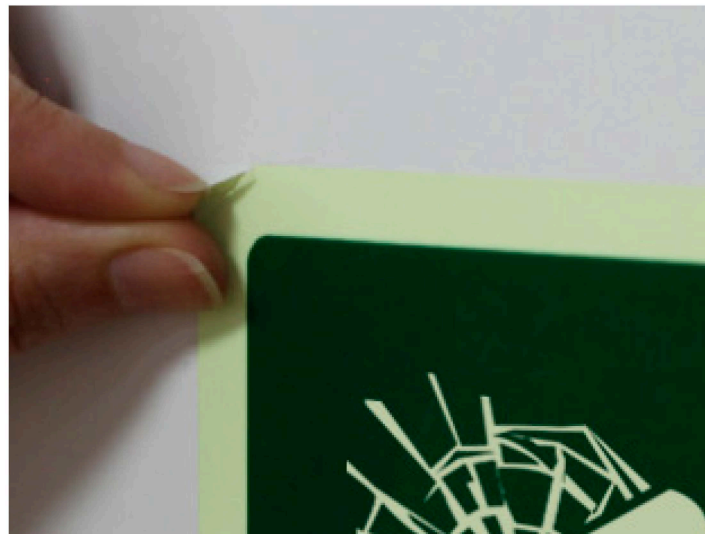
Product Description

Transparent self-adhesive PVC film, 0.12mm thick, with antistatic surface and easy to clean.



Once installed, the product tolerates a temperature variation between -30°C and + 120°C.

PHOTOLUMINESCENT ANTI-VANDAL ☼Everlux® VINYL



Product Description

Photoluminescent self-adhesive PVC film, 0.19mm thick, antistatic surface and easy to clean.



Once installed, the product tolerates a temperature variation between -30°C and + 120°C.

WHITE ANTI-VANDAL VINYL



Product Description

Self-adhesive PVC film, 0.09mm thick, with antistatic surface and easy to clean.



The specific characteristics of ultra-destructible self-adhesive vinyl, which make it a unique product to combat vandalism also mean that special handling (storage, packaging, transportation and installation) is also required.

It is recommended that the product is stored in the horizontal position and care should be taken to avoid bending or creasing as this is likely to damage the product.

Once installed, the product tolerates a temperature variation between -30°C and+ 120°C.

ANTI-SLIP SELF-ADHESIVE ROLL



Product Description

Self-adhesive PVC film with a non-slip coating and with a total thickness of 0.56mm, Photoluminescent self-adhesive PVC film protected by a non-slip laminated layer with, 0.56mm thickness, for application on the floor.



Once installed, the product tolerates a temperature variation between -20°C and +65°C.

PHOTOLUMINESCENT SELF-ADHESIVE ⓈEverlux® POLYCARBONATE



Product Description

Self-adhesive photoluminescent polycarbonate film with 0.62mm thickness, easy to clean.



Once installed, the product tolerates a temperature variation between -40°C and+ 70°C.

PHOTOLUMINESCENT SELF-ADHESIVE ⓈEverlux® ALUMINIUM



Product Description

Photoluminescent self-adhesive aluminium, 0.22mm thickness, with antistatic surface and easy to clean.



Fire Resistance: Non-combustible.

Once installed, the product tolerates a temperature variation between -40° C and+ 120° C.

PHOTOLUMINESCENT ☉Everlux® ALUMINIUM**Product Description**

Extra strong 1.37mm thick aluminium, with high photoluminescent luminous intensity, antistatic surface and easy to clean. Protected with an anti-vandalism transparent film.

**Fixing System**

According to ☉Everlux' catalogue.

Fire Resistance

The material does not contribute to fire propagation and is classified as a flame retardant according to IEC 60092-101:2018

The product is certified by N mark, AENOR.

WHITE ALUMINIUM**Product Description**

Extra strong 1.28mm thick aluminium, antistatic surface and easy to clean. Protected with an anti-vandalism transparent film.

**Fire Resistance**

The material does not contribute to fire propagation and is classified as a flame retardant according to IEC 60092-101: 2018.

GENERAL**Installation of self-adhesive products**

The successful installation of self-adhesive safety signs is heavily influenced by a number of factors including the type of surface and its preparation prior to application. For a proper installation the Everlux installation procedure for self-adhesive products shall be followed.



Adhesive products are more suitable for smooth and non-porous surfaces. However, in public transport there are many surfaces that do not have these characteristics. Everlux develops specific self-adhesive signs for installation surface types that are naturally not suitable for most existing adhesive products. Consult us for more information.

Installation of non-self-adhesive products

For a proper installation the General Everlux Installation Procedure for Everlux products shall be followed.

**Dimensions, Pictograms and Colours**

The products are in conformity with our catalogue and according to the relevant National and International Norms and Legislation.

Printing

High quality gloss paint with UV resistance.

Cleanliness

The products do not require any particular attention other than to periodically wipe clean either with a dry clean cloth or damp cloth. Do not use detergents.

Health and Safety

The product does not contain any radioactive substances. In terms of toxicity all products are considered as "safe" in accordance with EN 71-3.

Quality

The quality of ☉Everlux· products is ensured by a rigorous process of quality control with our own laboratory conducting in-house testing whilst observing all applicable norms.

Customized projects

We offer a wide range of products with different types of adhesives, mechanical resistance and thicknesses.

Contact us through the email: **commercialeverlux.com**.

Standards and Regulations

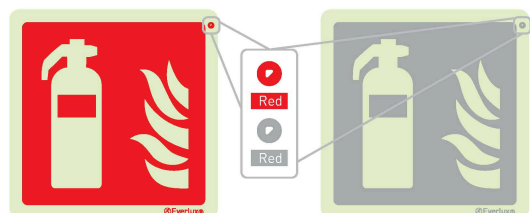
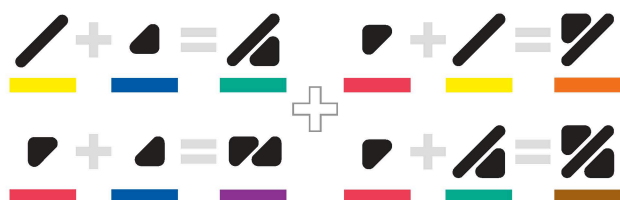
The UNECE (United Nations Economic Commission for Europe) Regulation 107 Uniform provisions concerning the approval of category M² or M³ vehicles with regard to their general construction, adopted by the European Union, set uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted and/ or be used on wheeled vehicles.

The importance of the use of safety signs on board vehicles covered by Regulation 107 is addressed in chapter 7.6.11 Safety Signs. The complete prescriptions for safety signs of Regulation 107 will be addressed throughout this catalogue. It is, however, relevant to state that Regulation n°107 prescribes the use of photoluminescent safety signs that posses the minimum luminance decay properties in compliance to Class C as defined by ISO 17398:2004. Additionally to the UNECE Regulation 107, there are other Standards and Legislation applicable to safety signs. The complete list of Standards and Legislation referred in this catalogue is as follows:

LEGISLATION AND NATIONAL STANDARDS	UNECE Regulation No. 107 - Uniform provisions concerning the approval of category M ² or M ³ vehicles with regard to their general construction.	
	Railway Group Standard GMRT2130 Iss 5.1 Vehicle Fire Safety	
	Rail Industry Standard RIS-2730-RST Iss 1.1 - Vehicle Fire Safety and Evacuation	
	CEN/TS 45545 (all parts), Railway applications — Fire protection on railway vehicles	
	EN 50153 - Railway applications — Rolling Stock — Protective provisions relating to electrical hazards	
	The Health and Safety (Safety Signs and Signals) Regulations 1996	
	Directive 2008/57/EC of the European Parliament and of the Council of 17 June 2008 on the interoperability of the rail system within the Community	
	European Directive 92/58/CEE of 24th June - Council Directive on the Minimum Requirements for the Provision of Safety and/or Health Signs at Work	
	Regulation (EC) No 1371/2007 of the European Parliament and of the Council of 23 October 2007 on rail passengers' rights and obligations	
	Regulation (EU) No 181/2011 of the European Parliament and of the Council of 16 February 2011 concerning the rights of passengers in bus and coach transport and amending Regulation (EC) No 2006/2004	
	European Directive 2004/54/CE of 29th April – Defining the minimum safety requirements for tunnels in the Trans-European Road Network	
	BS EN 13272-2:2019	Railway applications - Electrical lighting for rolling stock in public transport systems - Urban rail
	BS EN 45545-6:2013	Railway applications. Fire protection on railway vehicles. Fire control and management systems
	BS EN ISO 7010:2020	Graphical symbols - Safety colours and safety signs - Registered safety signs (supersedes BS 5499 - 5: 2002 - Signs with specific safety meanings)
	BS ISO 3864-3:2012	Graphical symbols - Safety colours and safety signs - Part 3: Design principles for graphical symbols for use in safety signs (supersedes BS 5499 - 6: 2002 - Creation and design of graphical symbols for use in safety signs-requirement)
	BS ISO 3864-1:2011	Graphical symbols - Safety colours and safety signs - Part 1: Design principles for safety signs and safety markings (supersedes BS 5499 - 1: 2002 - Specification for geometric shapes, colours and layout)
	BS ISO 3864-2:2016	Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels
	BS ISO 3864-4:2011	Graphical symbols - Safety colours and safety signs - Part 4: Colorimetric and photometric properties of safety sign materials
	BS ISO 23601:2020	Safety Identification – Escape and evacuation plan signs
	BS 5499-4:2013	Part 4: Code of practice for escape route signing
	BS 5499-10:2014	Guidance for the selection and use of safety signs and fire safety notices
	BS ISO 17398:2004	Safety colours and safety signs classification - performance and durability of safety signs
	BS ISO 16069:2017	Graphical symbols safety signs Safety Way Guidance Systems (SWGS)
	BS 5266-6:2016	Emergency lighting. Code of practice for non-electrical low mounted way guidance systems for emergency use. Photoluminescent systems
	Transport for London Design Standards	Docklands Light Rail Signs standard Issue 2; Cable car graphics standard Issue I, New Bus For London graphic standards Issue 2, London Overground signs standard Issue 3, London River Services Signs standard Issue 4, London Underground Signs manual Issue 4, Tram stop signs standard Issue 3
INTERNATIONAL STANDARDS	APTA SS-PS-002-98	Standard for Emergency Signage for Egress/Access of Passenger Rail Equipment
	APTA SS-PS-004-99	Standard for Low-Location Exit Path Marking
	APTA RT-VIM-S-026-12	Rail Transit Vehicle Passenger Emergency Systems
	DIN 67510	Photoluminescent pigments and products

ColorAdd What is ColorAdd?

ColorAdd is a project which was developed with the goal of allowing colorblind people to correctly identify each color and therefore to contribute for their social integration whilst making communication more effective, responsible and inclusive. ColorAdd is an extremely intuitive symbolic language that uses the primary colors and their combination to create the entire colors/codes palette.



Using the method of addition of graphical symbols, all other secondary colors can be obtained.

By adding the black and white symbols you can form symbols for the light or dark colour tones.

Light tones

Dark tones

To complete the color code, the following symbols have been added for gray, gold and silver colour.

By including the ColorAdd system, the Everlux catalogue allows colorblind people to fully comprehend all the components of a safety signs.

WWW.COLORADD.COM

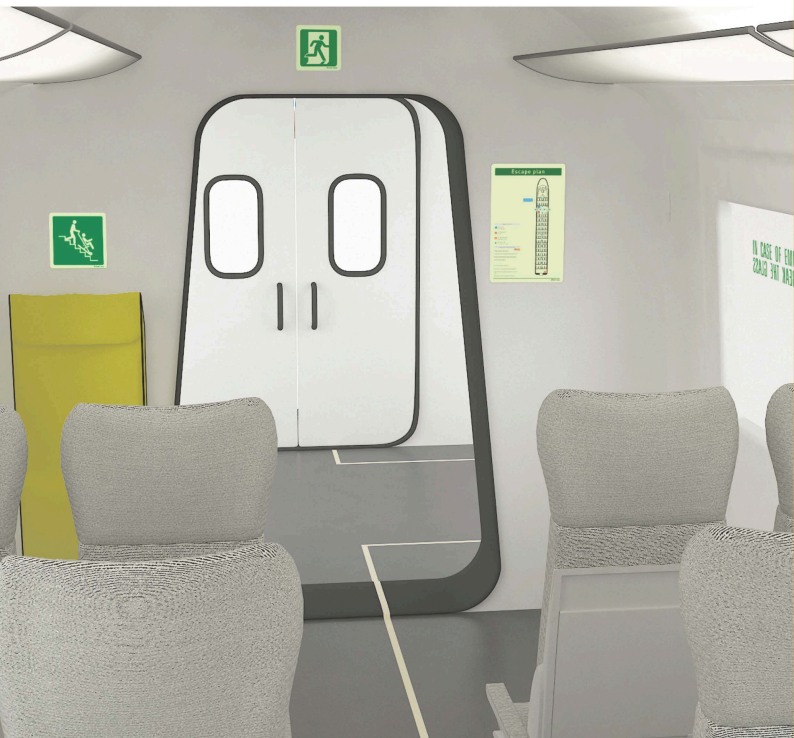


LONG AND MEDIUM DISTANCE









UU 133



UU 224



UU 321



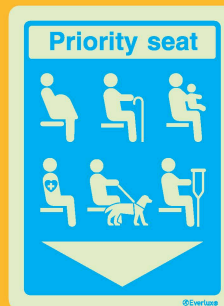
UU 171

IN CASE OF EMERGENCY BREAK THE GLASS
22A1G 3HT XA3R3B YC3B3R3M3 30 32A3 3I

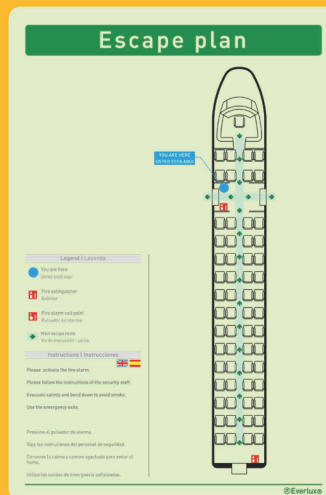
UU 252



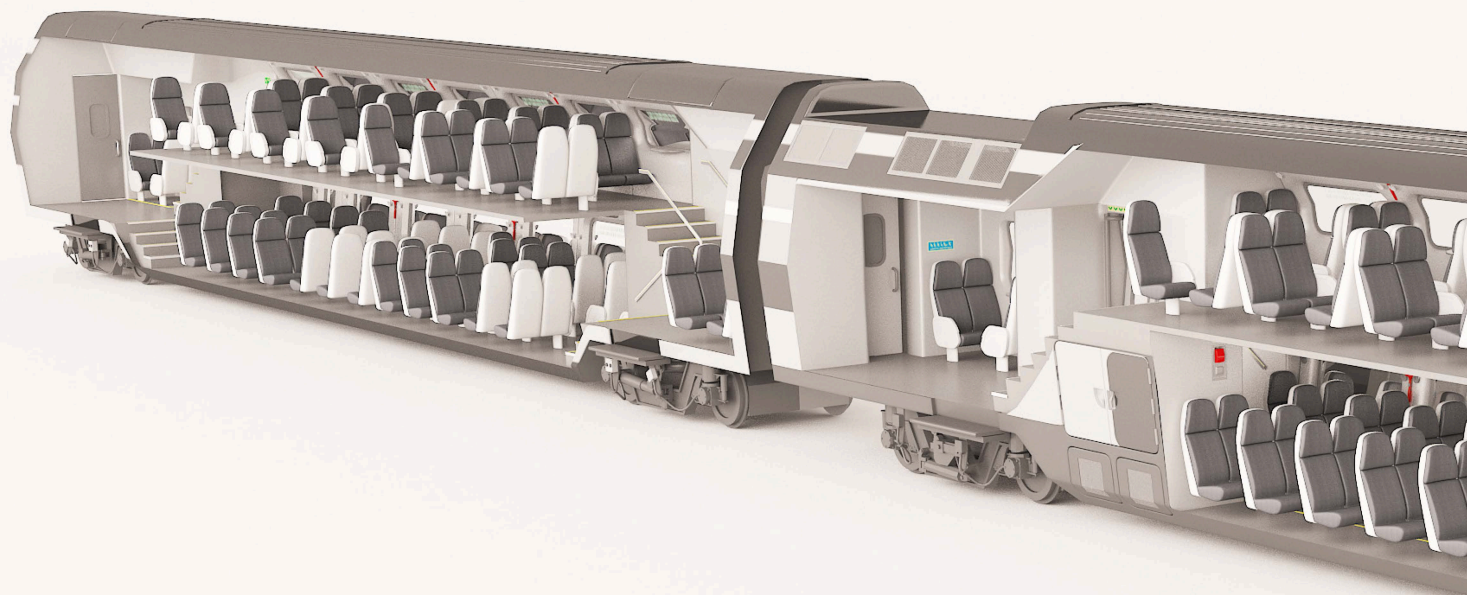
UU 602

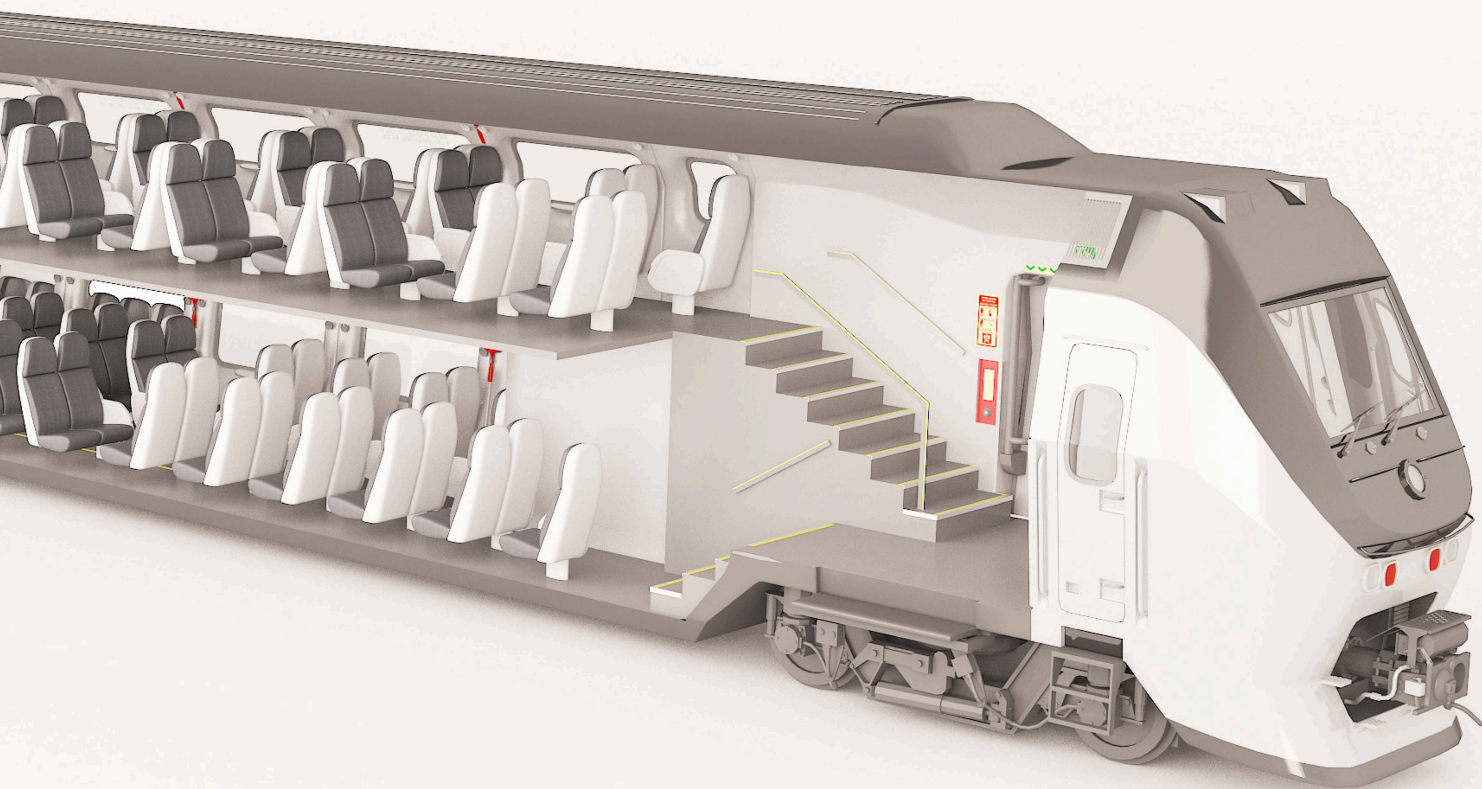


UU 767



UU KPQ









UU 002



UU 137



UU 211



UU 301



UU 109



UU 052

IN CASE OF EMERGENCY BREAK THE GLASS
22A1J 3HT XA3R8 YN33R3M3 7D 32A3 NI

UU 252



UU 171



UU 459



UU 401



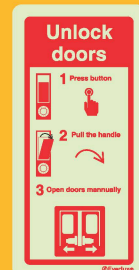
UU 483



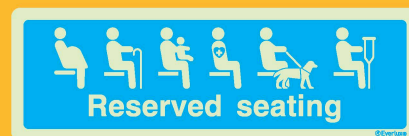
UU 602



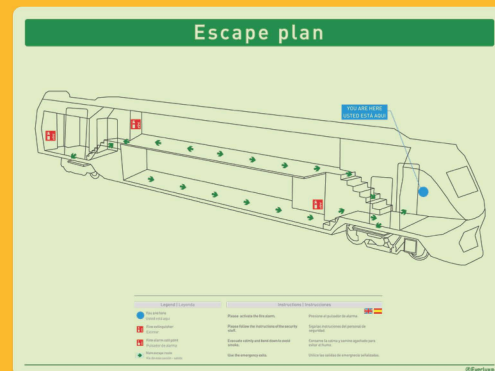
UU 606



UU 521



UU 761



UU PH3

Railway Standards

The Railway Group Standard, GMRT2130 (Issue: 5.1) supported by Rail Industry Standard RIS-2730-RST, and the Directive (EU) 2016/797 of the European Parliament and of the Council set provisions of rail vehicle fire, safety and evacuation arrangements.

he Railway Group Standard, GMRT2130 (Issue: 5.1) – Vehicle Fire Safety - defines technical rules for the design of rail vehicles for fire safety. It is applicable to passenger rolling stock and locomotives intended for use on the mainline railway in Great Britain. GMRT2130 Iss 5.1,Is supported by RIS -2730-RST Vehicle Fire Safety and Evacuation.

The Rail Industry Standard RIS-2730-RST (Issue: 1.1) - Vehicle Fire Safety and Evacuation - sets out requirements and guidance for rail vehicle fire safety provisions, including vehicle design, maintenance and servicing, and engineering change. Specifically, it addresses emergency lighting, emergency and safety equipment, signs and labels, as well as evacuation issues.

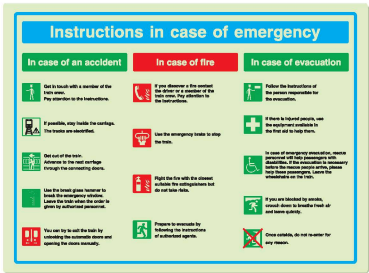
Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 - establishes the conditions to be met to achieve interoperability within the Union rail system.

Thus, these standards and regulations requires the provisions of rail vehicle safety arrangements.

According to the clause 2.4 of Directive (EU) 2016/797, the Emergency exits must be provided and indicated:



According to Rail Industry Standard RIS-2730-RST, the ability of passengers to evacuate and escape will be influenced namely by adequate information, signage and lighting, emergency equipment available.

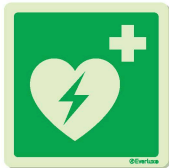


The Internal doors (clause 2.10.2) shall a) Slide open in opposing directions at each end of the passenger saloon; or b) Be bi-parting; or c) Be fitted with a means of escape within the door opening which allows through egress in the event of the door becoming jammed.



In clause 2.8 Emergency and safety equipment of RIS-2730-RST indicates that where emergency and safety equipment are provided, it should be suitably labelled.

The signs below are examples of safety signs to identify the location of emergency and safety equipment:

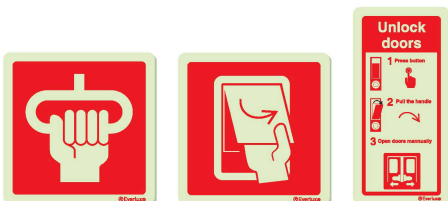




The First aid equipment should be clearly identified:



The clause 2.6 Emergency stop and isolation devices of RIS-2730-RST, establishes that Emergency stop and isolation devices shall be clearly labelled.



Positioning

Emergency and safety signs shall be positioned so as to be easily read and the information easily understood in relation to any necessary action.

The image right side illustrates a simple but effective positioning of safety signs. At the entry/ exit point of this vehicle there is an evacuation plan positioned at eye level to make it easy for the passenger to read and to become familiar with the emergency exits available as well as the locations of the emergency and fire-fighting equipment provided in the vehicle. Over the exit door, there is an exit sign which can clearly be seen by all passengers irrespectively of where they may be travelling in this car. There is a emergency evacuation chair sign showing the location of that particular emergency equipment.

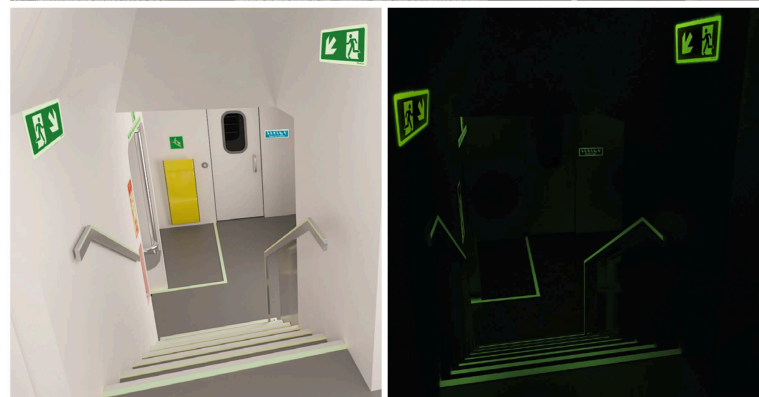
The window shown in the image also features and emergency exit sign proving the information to the passengers that it can be used as an exit point in case of an emergency.

Materials

According to RIS-2730-RST (clause 2.9) signs provided for passenger emergency equipment, egress facilities and routes shall use photoluminescent materials and shall not rely solely on the availability of emergency power supplies.

The RIS-2730-RST standard also requires that, safety and emergency signs shall be subjected to a recognised validation process of review and evaluation designed to demonstrate a high probability of comprehension on the part of the travelling public.

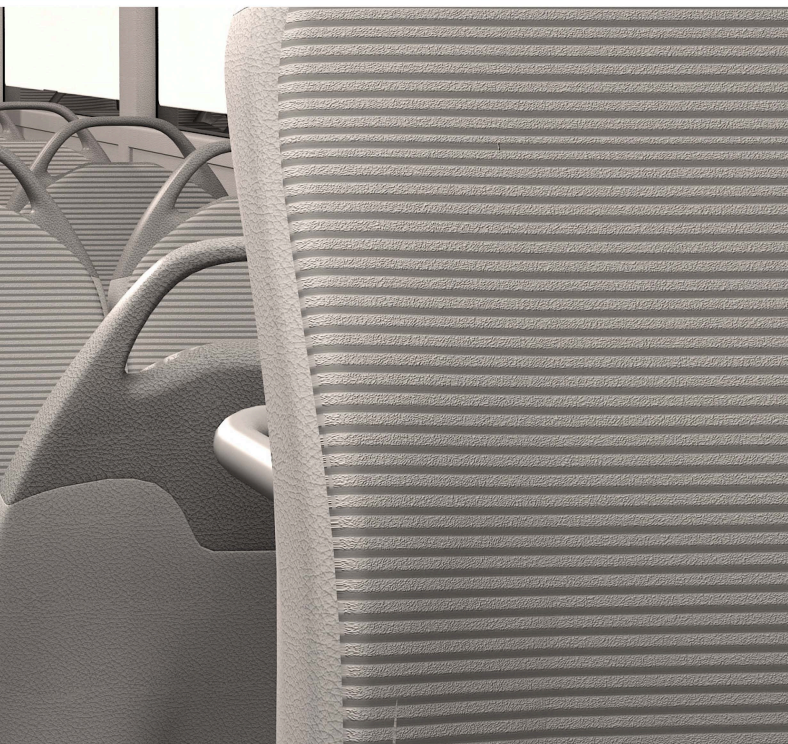
For more information on the available ©Everlux® solutions in compliance with this or any other standard please e-mail us at commercial@everlux.com.











UU 081



UU 202



UU 212



UU 401

IN CASE OF EMERGENCY BREAK THE GLASS
IN CASE OF EMERGENCY BREAK THE GLASS

UU 252



UU 602



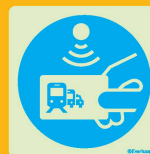
UU 716



UU 701



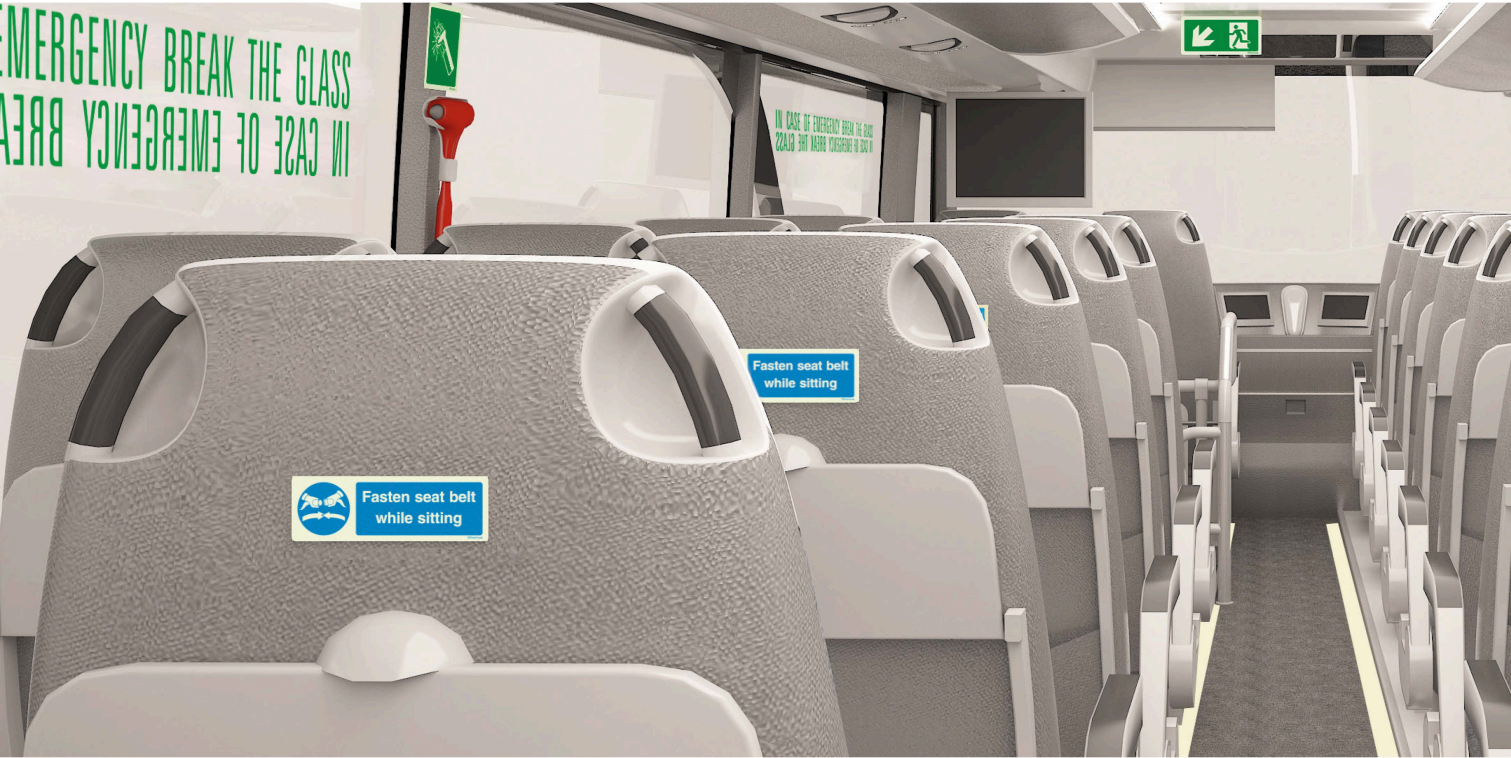
UU 702

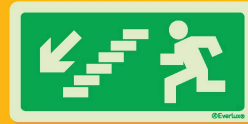


UU 811









UU 110



UU 211



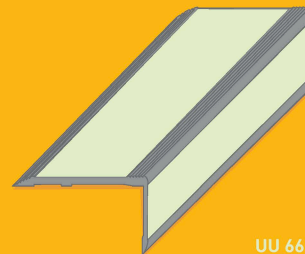
UU 301

IN CASE OF EMERGENCY BREAK THE GLASS
IN CASE OF EMERGENCY BREAK THE GLASS

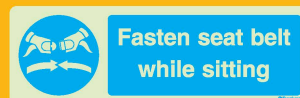
UU 252



UU 602



UU 661



UU 792

Regulation no. 107 for Buses and Coaches

This section of the ☺Everlux® catalogue includes a short summary of Annex 3, chapter 7.6.11. Safety Signs of the UNECE (United Nations Economic Commission for Europe) Regulation 107 Uniform provisions concerning the approval of category M₂ or M₃ vehicles with regard to their general construction.

As its designation pertains, the UNECE **Regulation 107** is applicable to vehicles classed as:

- M₂**: vehicles used for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum mass not exceeding 5 tonnes.
- M₃**: vehicles used for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum mass exceeding 5 tonnes.

Annex 3 sets the provisions that must be met by all vehicles within these categories. Namely in respect of safety signs as established in chapter 7.6.11. Safety Signs:

7.6.11.1. All safety signs shall comply with requirements contained in paragraph 6.5 of ISO standard 3864-1:2011.
ISO 3864-1: 2011 specifies the safety identification colours and design principles for safety signs that are to be used with the objective of preventing accidents and to convey safety messages related to fire-fighting, health hazard information and emergency evacuation:

↙ a) The colour white includes the colour of photoluminescent material on daylight and in accordance with the provisions of ISO 3864.4

Geometric shape	Meaning	Safety colour	Contrast colour	Graphical symbol colour	Indications and precision
 Circle with diagonal bar	Prohibition	Red	Black	Black	Dangerous behaviour
 Circle	Mandatory action	Blue	Black a)	White a)	Behaviour or specific action. Obligation to use personal protective equipment
 Equilateral triangle with radiused outer corners	Warning	Yellow	Black	Black	Attention, Caution, Verification
 Square	Safe condition	Green	White a)	White a)	Doors, exits, routes, material, rescue stations
 Square	Fire equipment	Red	White a)	White a)	Identification and location



Even though this part of Regulation 107 is specific to paragraph 6.5, Safe condition signs, of ISO 3864-1:2011, this should be interpreted as a demonstrative effort and the overall specifications of ISO 3864-1:2011 in terms of colours and shapes for the different category of safety signs should be taken in to account in the design of safety signs compliant to this requirement. Implementing the overall ISO 3864-1:2011 principles will have a positive contribution in conveying an effective safety message to the users of public transportation in general, and consequently of these classes of vehicles.

Implementing the overall ISO 3864-1:2011 principles will have a positive contribution in conveying an effective safety message to the users of public transportation in general, and consequently of these classes of vehicles.

7.6.11.2. Each safety sign required by this Regulation shall be used to communicate only one safety message. The information provided shall be in the form of pictograms, however, words, letters and numbers may supplement the pictogram in combination on the same sign. It shall be located and orientated so as to be easily understood.

7.6.11.2.1. Safety signs shall follow the principles shown in the example layouts below, i.e. a header section depicting the safety message, a second section containing instructional information and a third, optional, footer section for non-critical text.



The examples provided above follow the principles laid out by paragraphs 7.6.11.2.1 and 7.6.11.2 as both signs are comprised with pictorial graphics and supplementary texts and contain a header

section with the general contextualisation of the safety message as well as a section with instructions that must be followed. Both examples also contain a third section with non-critical text. **Additionally, the two sign examples given also follow what is prescribe by the subsequent paragraphs 7.6.11.2.2, 7.6.11.2.3, 7.6.11.2.4 and 7.6.11.2.5:**

7.6.11.2.2. Pictograms indicating required actions by the user shall show a person, or the relevant part of a person, operating the equipment or device.

7.6.11.2.3. Pictograms indicating a required movement shall, where appropriate, show an arrow pointing in the direction of motion. Where a rotational movement is required, a curved arrow shall be used.

7.6.11.2.4. . Where devices are to be operated, doors are to be opened or panels need to be removed the pictogram shall indicate the action in progress.

7.6.11.2.5. The lower case letter(s) of supplementary words, single letters and numbers shall have a minimum height of 8 mm. Words shall not be in upper case letters only.

Regulation 107 also addresses the nature of safety signs that are to be used not only in terms of their general characteristics but also in terms of their quality performance which will be crucial in the event of an emergency. **In this respect, this chapter specifies the use of photoluminescent safety signs and set their minimum luminance requirements:**

ISO 17398: 2004 prescribes the requirements for performance based classification system for safety signs, namely in terms of photometric properties. ISO 17398:2004 paragraph 5.5 presents the luminance decay characteristics of photoluminescent safety signs and their respective classification:

Sub-classification	7.11 Minimum luminance (mcd/m²)			
	2 min	10 min	30 min	60 min
A	108	23	7	3
B	210	50	15	7
C	690	140	45	20
D	1100	260	85	35

7.6.11.3 All safety signs that are visible from the inside of the vehicle shall be of photoluminescent material having luminance decay characteristics conforming, as a minimum, to sub-classification C in Table 2 of ISO Standard 17398:2004, when measured in accordance with paragraph 7.11. of that standard.

These minimum luminance performance values should be obtained by submitting the signs to the luminance measurement test specified in paragraph 7.11 as referred by Regulation 107.

There are a wide variety of photoluminescent safety signs available in the market place with equally diverse luminance performance and therefore establishing a minimum quality benchmark that is accepted for this market is crucial in assuring that the vehicles are equipped with the right products.

The ☞Everlux® signs offered in this catalogue meet all the requirements and will help you in assuring compliance as well as in offering an effective safety signage system to passengers and staff onboard.



☞Everlux®
215 / 30 - 3100-K-W

The location of where the safety signs are installed is also an important factor in assuring that they will be effective when needed. This matter is addressed in Regulation 107 in paragraphs 7.6.11.4, 7.6.11.5, 7.6.11.6 and 7.6.11.7:

7.6.11.4. Safety signs shall not be located in positions where they may be obscured during operation of the vehicle. However, a curtain or blind may be positioned over an emergency window provided an additional safety sign indicates that the emergency window is located behind the curtain or blind.

7.6.11.5. Each emergency exit, and any other exit that meets the prescriptions for an emergency exit, shall be marked by one of the relevant pictograms described in Table 3 of ISO Standard 7010:2011; pictograms shall be legible from both the inside and the outside of the vehicle.

Apart from specifying how emergency exits shall be marked, paragraph 7.6.11.5, **is also important as it prescribes the use of pictograms in compliance with ISO 7010: 2011.**



Graphical symbols - Safety colours and safety signs – Registered safety signs contains a comprehensive catalogue of signs developed in accordance with the design principles established by ISO 3864 that are to be used in for accident prevention, fire protection, health hazard information and, in this particular case for emergency evacuation:



7.6.11.6. Safety signs shall be positioned adjacent to, or surround, or be on, all internal and external emergency controls and device(s) for breaking emergency window(s).

7.6.11.7. No part of a safety sign shall obscure any misuse protection that may be present, e.g. a cover.

As referred in paragraph 7.6.11.2., safety signs shall be comprised with pictograms and may be supplemented with words and text to increase the comprehension of the message conveyed by a particular sign.

In paragraph 7.6.11.8, regulation 107 establishes that the language used in supplementary texts shall be determined by the approving authority of country where the vehicle is intended to be used on:

7.6.11.8. The language in which any textual safety sign intended to comply with paragraphs 7.6.11.1. to 7.6.11.7. above are to be inscribed shall be determined by the approving authority bearing in mind the country / countries in which the applicant intends to market the vehicle in liaison if necessary with the competent authorities of the country / countries concerned. If the authority of the country / countries where the vehicle is to be registered has the language changed, this change shall imply no new type approval process.





The last paragraph of chapter 7.6.11. Safety Signs addresses the need of safe condition signs to mark devices that enable passengers to indicate that the driver should stop the vehicle:

7.7.9.1. On vehicles of Classes I, II and A, a means shall be provided to enable passengers to signal that the driver should stop the vehicle. The controls for all such communication devices shall be capable of being operated with the palm of the hand. [...]



Additionally to the specific chapter for Safety Signs that was covered above, the UNECE Regulation 107 further indicates that safety signs can be proposed in accordance to chapters that are dedicated to other equipment.

For example, **paragraph 7.8.3.1** requires that the activation of the emergency lighting system can be done from the driver's seating position. Thus, the use of a photoluminescent safety sign identifying the activation mechanism of the emergency lighting position can prove to be valuable during an emergency situation.



In fact, the provisions made by the regulation for the accommodation and accessibility of passengers with reduced mobility also prescribe the use of signs developed in accordance to ISO 3864 design principles:

5.2. Vehicles of Class I shall be accessible for people with reduced mobility, including at least one wheelchair user and one pram or unfolded pushchair according to the technical provisions laid down in Annex 8. 12 the area for the accommodation of an unfolded pushchair or pram. In such a case, the area shall have signs fixed on or adjacent to the area with the following text, equivalent text or pictogram:

"Please give up this space for a wheelchair user".



3.7.3. For vehicles of Classes I, II and A, where the foot space of any seat, or part of a folding seat when in use, intrudes into a wheelchair space, those seats shall have signs fixed on or adjacent to them with the following text, equivalent text or pictogram:

"Please give up this space for a wheelchair user".



3.7.4. In vehicles where any wheelchair space is designated for use exclusively by a wheelchair user as provided for in paragraph 7.2.2.2.10. of Annex 3, those spaces shall be clearly marked with the following text, equivalent text or pictogram:

"Area designated for use exclusively by a wheelchair user"



We are confident that this coverage of the UNECE Regulation 107 will be useful for public transportation sector who all are responsible for assuring safety signage compliance and welcome any questions on this regulation or any other relevant Standards on safety signs.

For inquiries please e-mail us at commercial@everlux.com.



- (mm)
- 60x60
 - 100x100
 - 150x150
 - 200x200
 - 210x210
 - 300x300

- (mm)
- 100x50
 - 200x100
 - 300x150
 - 400x200
 - 600x300

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

Escape Route Signs

Emergency Escape Route Signs



UU 001



UU 002



The emergency exit doors should be marked with the appropriate emergency signs.

Signs According to UNECE Regulation no.107



UU 030



UU 031

Signs According to European Council Directive 92/58/EEC Escape Route Signs



UU 051



UU 052



UU 053



UU 054



UU 055



UU 056



Signs According to ISO 7010



UU 081



UU 082



UU 083



UU 084



UU 085



UU 086

Signs for Stairs



UU 101



UU 102



UU 103



UU 104



UU 109



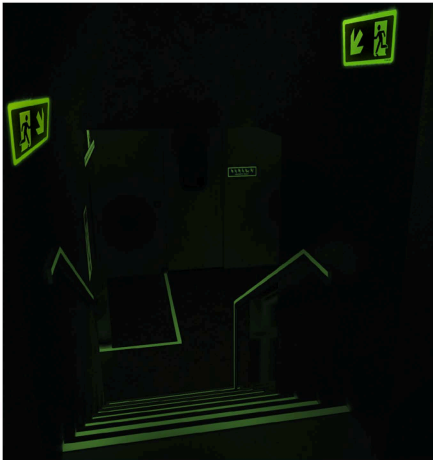
UU 110



UU 111



UU 112



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



(mm)
60x60
100x100
150x150
200x200
210x210
300x300

(mm)
60x100
100x150
150x200
200x300
210x297
300x400

(mm)
100x60
150x100
200x150
300x200
297x210
400x300

(mm)
60x60
100x100
150x150
200x200
210x210
300x300

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

Emergency Equipment Signs

Evacuation Signs for People with Reduced Mobility



UU 131



UU 132



UU 133



UU 134



UU 135



UU 136



UU 137



UU 138



UU 141



UU 142



UU 143

In case there is an alarm device to activate the evacuation of people with reduced mobility or to indicate the location of equipment provide to aid evacuation signs with the SIA pictogram should be installed.



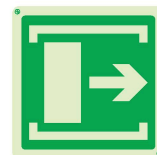
Door Mechanism Signs



UU 150



UU 151



UU 161

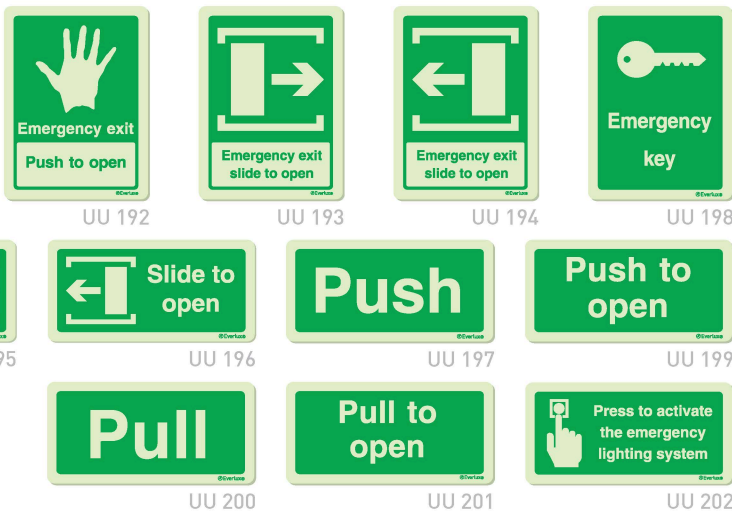
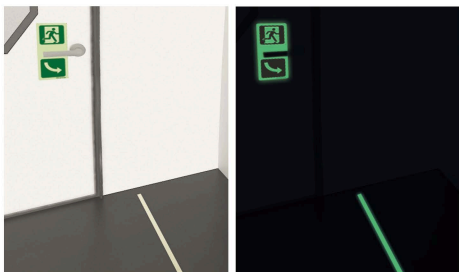


UU 162

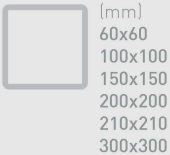


Emergency Equipment Signs

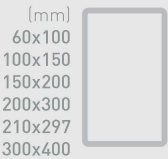
Emergency opening systems should be marked with the respective safety signs



Emergency Windows and Break Glass Hammer



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



Emergency Windows and Break Glass Hammer



UU 221



UU 222



UU 223



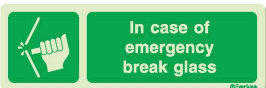
UU 224



UU 231



UU 232



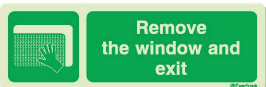
UU 233



UU 234



UU 235



UU 236



UU 252



UU 263



UU 256



UU 264



UU 257

All devices that serve to break the glass should be identified with a photoluminescent sign.

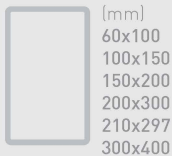
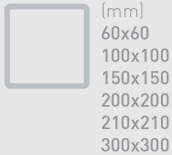
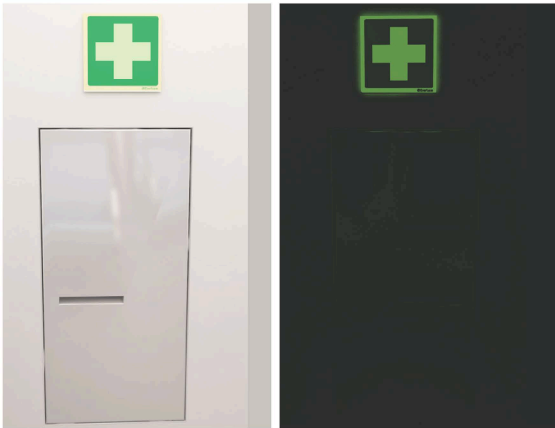




Emergency Equipment Signs



First aid equipments should be marked with the appropriate emergency signs.



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



	(mm)
	60x60
	100x100
	150x150
	200x200
	210x210
	300x300

	(mm)
	60x100
	100x150
	150x200
	200x300
	210x297
	300x400

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

Fire Fighting Equipment Signs

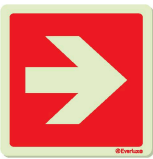
Fire Extinguisher Signs



UU 401



UU 403



UU 404



The location of the fire-extinguisher should be indicated with the appropriate fire equipment location sign.



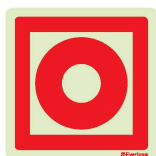
UU 411



UU 412



Warning and Alarm Equipment Signs



UU 421



UU 422



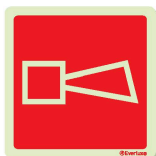
UU 423



UU 424



UU 425



UU 426



UU 427



UU 431



UU 432



UU 433



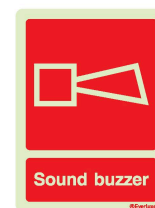
UU 434



◀ Alarm, alert and communication should be indicated with their respective photoluminescent sign.



UU 441



UU 442

Emergency Break Stop Signs



UU 451



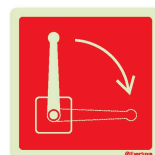
UU 452



UU 453



UU 454



UU 455



UU 456



UU 457



UU 458



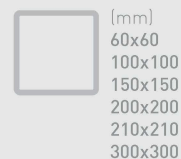
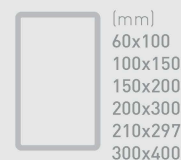
UU 459



UU 461



UU 462



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



(mm)
200x70
300x100
400x120

(mm)
60x60
100x100
150x150
200x200
210x210
300x300

(mm)
60x100
100x150
150x200
200x300
210x297
300x400

(mm)
50x100
100x200
150x300
200x400
300x600

(mm)
100x50
200x100
300x150
400x200
600x300

The proposed measures
and pictograms are
for guidance only.
According to request,
bespoke safety signage
systems can be
supplied.



Emergency Break Stop Signs



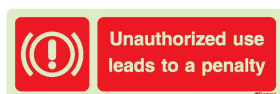
UU 471



UU 472



UU 473



UU 474

Manual Opening Systems for Automatic Doors Signs



UU 481



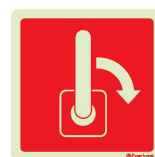
UU 482



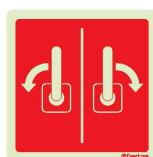
UU 483



UU 484



UU 485



UU 486



UU 487



UU 488



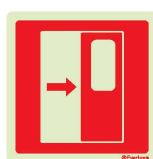
UU 489



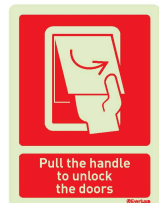
UU 490



UU 491



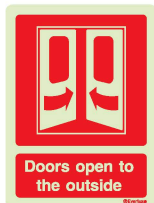
UU 492



UU 501



UU 502



UU 503



UU 511



UU 512



UU 521

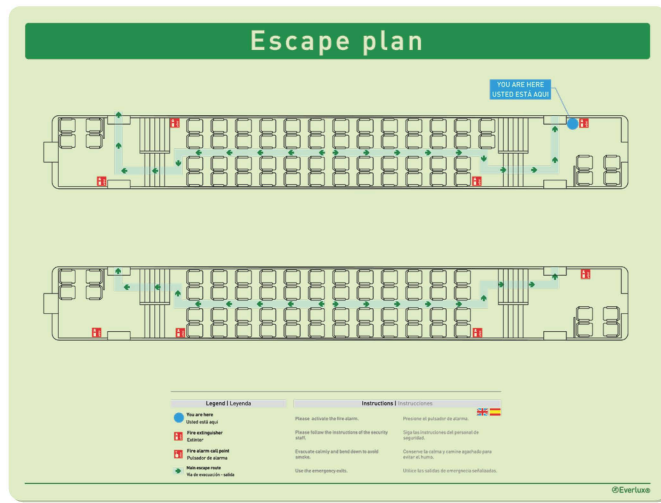


Evacuation Plans

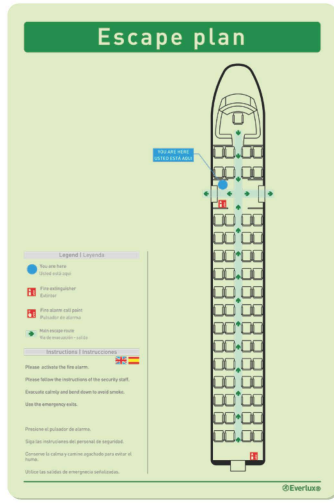
2D Evacuation/Escape Plans



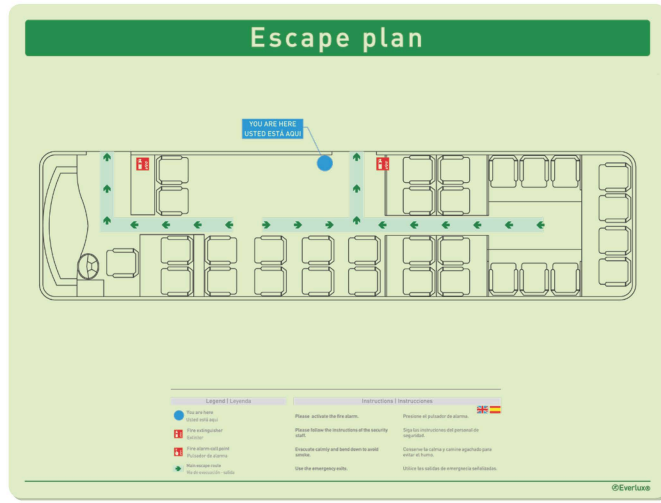
[mm]
300x200
400x300



UU KPV



UU KPQ



UU KPH

[mm]
300x200
400x300

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

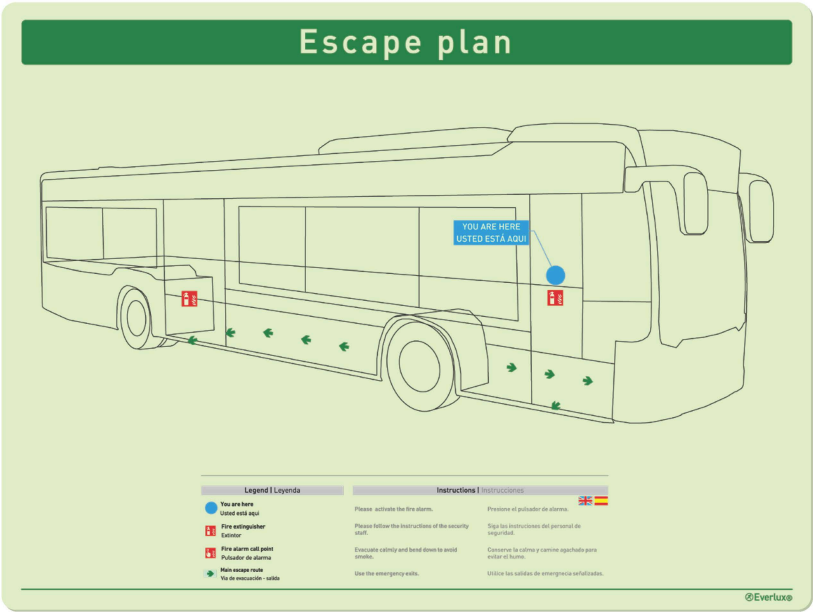


(mm)
300x200
400x300

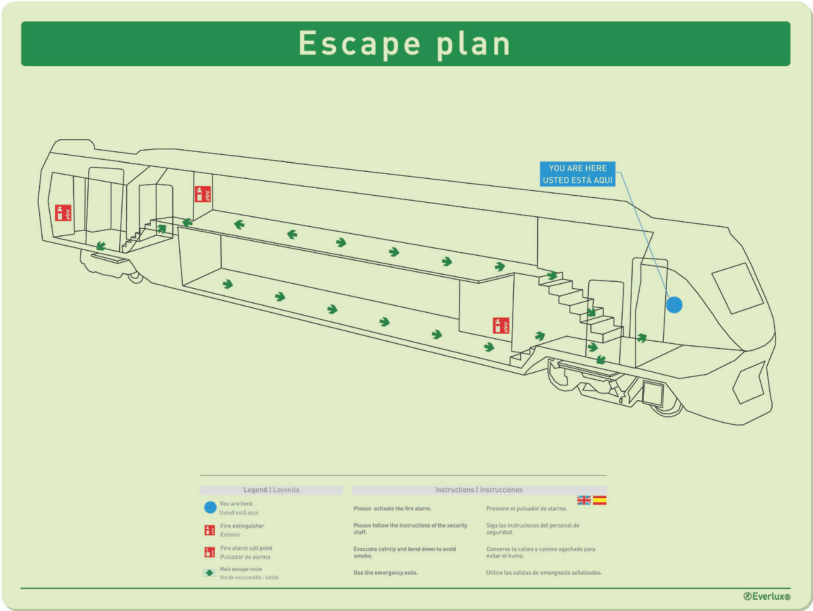
The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



3D Evacuation/Escape Plans



UU PV3

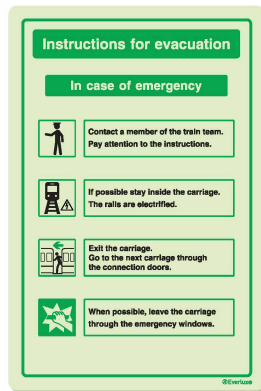


UU PH3



Safety Instructions

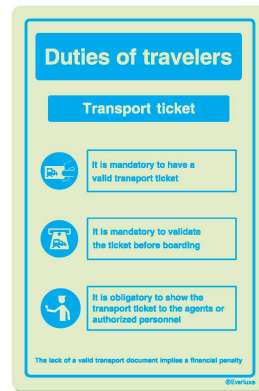
Safety Instructions



UU 531



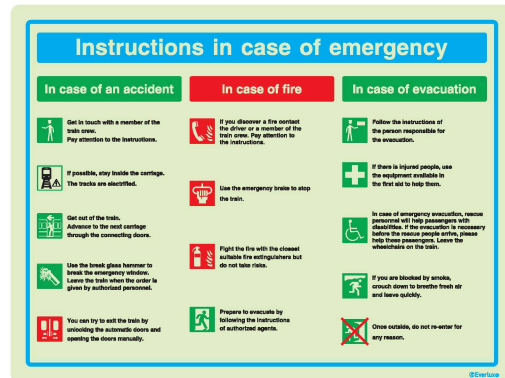
UU 532



UU 533



UU 534



UU 535



UU 536

(mm)
60x100
100x150
150x200
200x300
210x297
300x400

(mm)
150x100
200x150
300x200
400x300
600x400

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

④ Everlux®-LLL- Photoluminescent Marking for Evacuation Routes

Introduction

The spreading of smoke is one of the most dangerous consequences of a fire which can render evacuation difficult and, in some cases, impossible. Under these conditions, visibility is reduced causing panic and increasing the evacuation time which is a critical factor in avoiding intoxication which can ultimately lead to death.

The ④ Everlux®-LLL - Low Location Lighting system is a unique system that allows all evacuation routes to stay illuminated, thereby communicating a clear, continuous and unambiguous “means of escape” message which leads to a safe place.

This LLL system is unique in providing consistent and regular information throughout the complete escape route. This reduces possible confusion and panic, factors that hamper the safe egress from occupied areas.

④ Everlux®-LLL system has been used for years in the maritime field, following IMO Resolution A. 752 (18). According to that resolution all means of egress must be marked with Low Location Lighting system at all points of the evacuation route. The ④ Everlux®-LLL system is also recommended by ISO Standards, namely ISO 16069.

The system is manufactured with a new generation of photoluminescent pigments, specially developed for these situations, and guarantees a high level of luminosity despite being placed in situations of low ambient lighting (i.e. ground level).

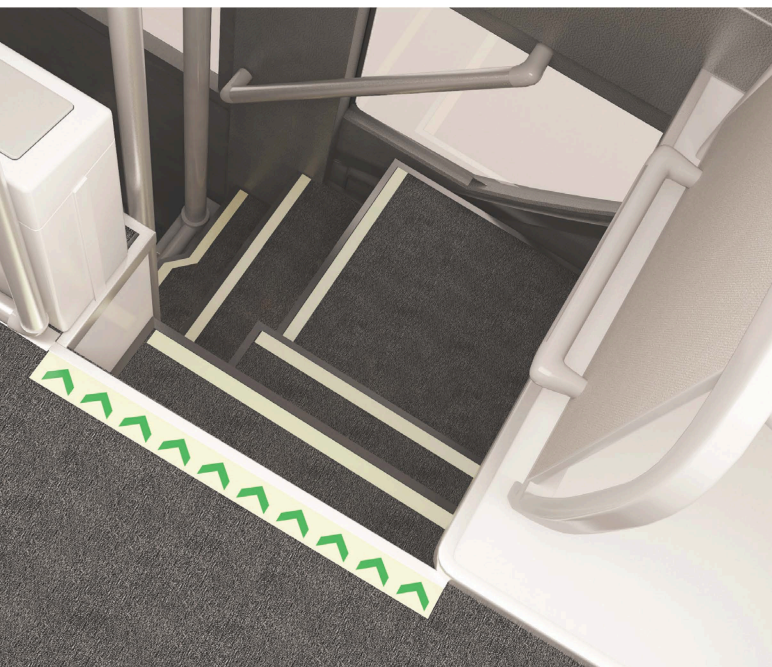
Technical Characteristics

0.62mm non-slip self-adhesive polycarbonate with a high photoluminescent intensity, rated as having a high level of abrasion resistance being classified as Abrasion Class (PEI) IV in accordance with EN ISO 10545-7:2000 and static coefficient of 0,52 according to UL410.

Printing: : Serigraphy, high quality gloss paint with UV resistance, with 2 years of guarantee

Surface: Antistatic and easy to clean.

Chemical Characteristics: Non-radioactive, Non-phosphorous, lead-free and non-poisonous.





Photoluminescent Marking System for Horizontal Application (Floors and Stairs) - Non slip polycarbonate self-adhesive



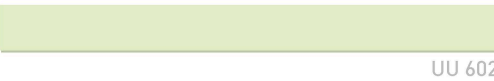
UU 601



UU 603



UU 605



UU 602



UU 604



UU 606



Self-adhesive
and non-slip
strips

Self-adhesive
and non-slip
strips



UU 621



UU 622



UU 625



UU 626



(mm)
1200x35
1200x57
1200x83

(mm)
57x107
83x158

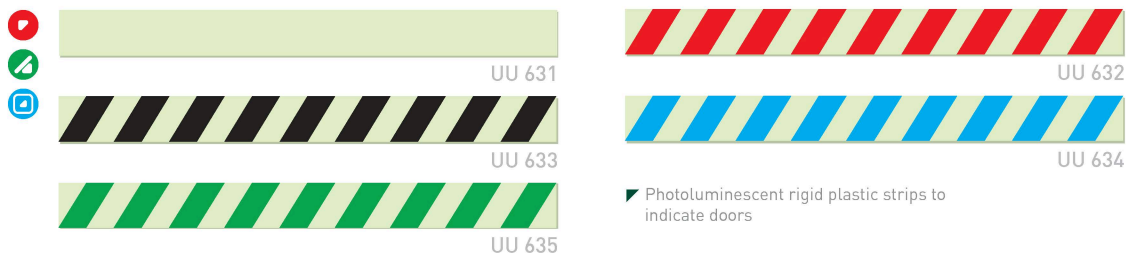
The proposed measures
and pictograms are
for guidance only.
According to request,
bespoke safety signage
systems can be
supplied.



Rolls with a maximum length of 10m and width as requested.



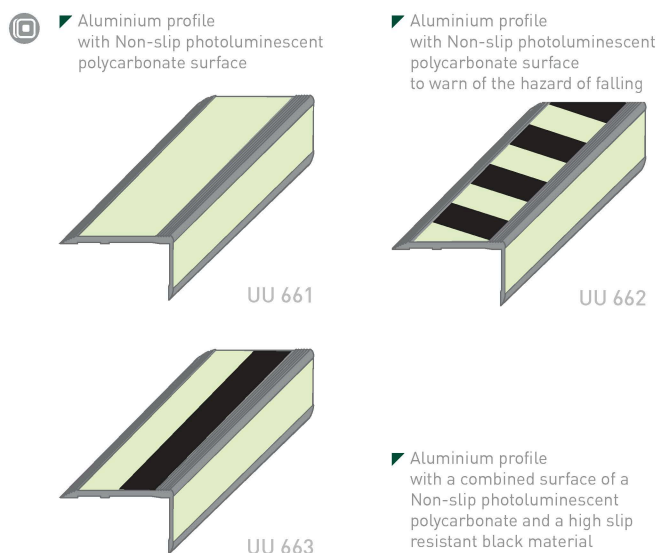
Rigid plastic markings to Indicate Obstacles and Dangerous Areas Along the Escape Route



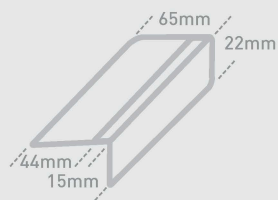
Non-slip Photoluminescent Vinyl Rolls for Floor Application



Stairnosing - Protection for Steps

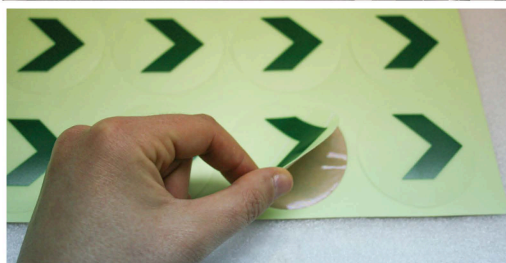


The extruded aluminium lengths for indicating the step edges are supplied in specified lengths and double-sided high-adherence adhesive strips which provide efficient and even adhesion along the length.



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

Everlux[®] LLL Discs



Non-slip self-adhesive discs for floors (1 sheet of 18 units)

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



(mm)
60x60
100x100
150x150
200x200
210x210
300x300

Safety Signs for Travellers Rights and Duties

Safety Signs for People with Disabilities or Reduced Mobility



UU 701



UU 702



UU 703



UU 704



UU 705



UU 706



UU 707



UU 708



UU 709



UU 710



UU 711



UU 712



UU 713



UU 714



UU 715



UU 716



UU 717



UU 718



UU 719



UU 720



UU 721



UU 722



UU 723



UU 724



UU 725



UU 726



UU 727



UU 728



UU 729



UU 730



UU 731

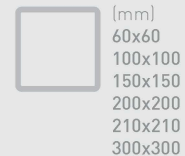


UU 732

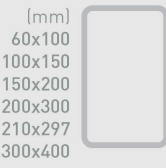
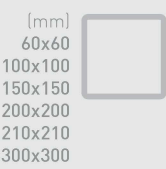
The proposed measures
and pictograms are
for guidance only.
According to request,
bespoke safety signage
systems can be
supplied.



Safety Signs for Travellers with Priority



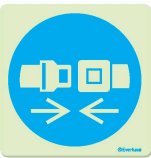
The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.

Mandatory Signs

Seat Belt Safety Signs



UU 771



UU 772



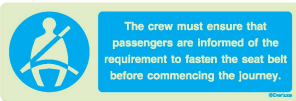
UU 773



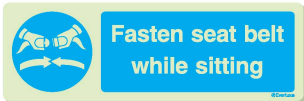
UU 781



UU 782



UU 791



UU 792



UU 801



UU 802

Miscellaneous Mandatory Action Signs



UU 810



UU 811



UU 812



UU 813



UU 814



UU 815



UU 816



Miscellaneous Mandatory Action Signs



(mm)
60x100
100x150
150x200
200x300
210x297
300x400

Mandatory to hold a ticket

UU 821

Ticket validation

UU 822

Validate the ticket here

UU 823

Passengers must be let out before entering

UU 824

Hold backpack

UU 825

Grab the handle

UU 826

Accidents must be recorded

UU 827

Avoid problems
buy your travel ticket
before traveling

UU 831

Fine if you do not
present a valid ticket to
authorized personnel

UU 832

Must validate
before boarding

UU 833

Insert ticket here
for validation

UU 834

Must validate the
ticket before starting
the journey

UU 835

During the journey
try to keep three
points of contact

UU 836

Hold handle
during the journey

UU 837

Please grab the backpack
with your hands
do not travel with it
on your back

UU 838

When traveling
take the backpack
off your back

UU 839

Do not enter
before
passengers leave

UU 840

Let the
passengers leave
and then enter

UU 841

To be used by
trained and
authorized personnel

UU 842

Please silence

UU 843

(mm)
200x70
300x100
400x120

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



(mm)
60x100
100x150
150x200
200x300
210x297
300x400



Prohibition Signs

Pictograms and Text



UU 901



UU 902



UU 903



UU 904



UU 905



UU 906



UU 907



UU 908



UU 909



UU 910



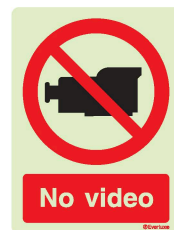
UU 911



UU 912



UU 913



UU 914



UU 915



UU 916



UU 917



UU 918



UU 919



UU 920



UU 921



UU 922



UU 923



UU 924



UU 925

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



Pictograms and Text

 No smoking smoke-free space <small>© Cerius</small> UU 941	 No access to travellers <small>© Cerius</small> UU 942	 No access authorized personnel only <small>© Cerius</small> UU 943
 Do not touch risk of electric shock <small>© Cerius</small> UU 944	 No eating and drinking except in designated areas <small>© Cerius</small> UU 945	 Non-potable water <small>© Cerius</small> UU 946
 Do not throw garbage to the toilet <small>© Cerius</small> UU 947	 Automatic doors Do not put your hands when the doors are closing <small>© Cerius</small> UU 948	 Avoid unnecessary delays Do not keep the doors open <small>© Cerius</small> UU 949
 Do not attempt to enter the train when on the move <small>© Cerius</small> UU 950	 Automatic door keep your body away from the door <small>© Cerius</small> UU 951	 Do not lean out the window <small>© Cerius</small> UU 952
 Do not dirty our vehicles <small>© Cerius</small> UU 953	 Please do not lie down on the bench <small>© Cerius</small> UU 954	 Please be polite to others <small>© Cerius</small> UU 955



(mm)
200x70
300x100
400x120

The proposed measures and pictograms are for guidance only. According to request, bespoke safety signage systems can be supplied.



(mm)
1200x300

Itinerary



European Cities



U I T E2



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Material Types

Ⓢ Everlux® Vinyl

White Vinyl

Transparent Vinyl

Anti-Vandal Ⓢ Everlux® Vinyl

White Anti-Vandal Vinyl

Self-Adhesive Ⓢ Everlux® Aluminium

Ⓢ Everlux® Aluminium

White Aluminium

Self Adhesive Photoluminescent Anti-Slip Polycarbonate

Photoluminescent Anti-Slip Marking Rolls

Design Requirements

The signs featured in this catalogue are merely indicative.

Ⓢ Everlux® with its long experience, has an R&D department prepared to study and present solutions in accordance with the specifications of our clients.

Example



Send your inquiry to commercial@everlux.com

web page www.everluxtransport.com



