

**Manufacturer:** IMPLASER 99 S.L.L.  
Pol. Borao Norte, nave 5A Alfajarín (Zaragoza) SPAIN-EU



### DESCRIPTION

Transparent methacrylate support with printed photoluminescent background and aluminum trim, designed to hold a transparent sheet with the evacuation plan printed on.

It is then a functional product, as it provides a photoluminescent feature to evacuation plans printed on transparent sheet or any other transparent material. The luminance values comply with the photoluminescent values required in ISO 17398 and DIN 67510 for Class D of high luminance.

The product is specially designed for installation in buildings and public areas where it is necessary to provide a distinguished looking, since the aluminum trim included in the upper part enables to hide the anchor screws, providing then an elegant appearance to the product. At the same time, it is a very functional product, as it easily allows changing the evacuation plan as often as required, making possible the adaptation to any structural change of the building.

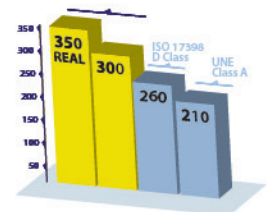
### PRODUCT IDENTIFICATION



### LUMINANCE CHARACTERISTICS

The luminance properties of the final product are provided from the evacuation plan holder itself, as it includes a photoluminescent layer printed on the inside area, which complies and exceeds with the required values of ISO 17398 and DIN 67510 for Class D.

The photoluminescent values certified by IMPLASER are indicated on the following chart:



Time	Minimum values guaranteed by Implaser	UNE 23.035-4 (2003) A Class Values	ISO 17398 / PSPA D Class Values
10 minutes	300 mcd/m <sup>2</sup>	210 mcd/m <sup>2</sup>	260 mcd/m <sup>2</sup>
60 minutes	40 mcd/m <sup>2</sup>	29 mcd/m <sup>2</sup>	35 mcd/m <sup>2</sup>
Decay time	3.500 minutes	3.000 minutes	-



## TECHNICAL CHARACTERISTICS

### SUPPORT MATERIAL - Transparent methacrylate:

PROPERTIES	VALUE	UNITS	TEST METHOD
Density	1,19	g/cm <sup>3</sup>	ISO 1182, Method A, C o D
Thickness	3	mm	
Ignition temperature	300	°C	ASTM-1929
Maximum operating temperature	75-80	1C	
Specific heat	0,35	cal/g 1C	
Thermal conductivity	4,5 x 10 <sup>-4</sup>	cal cm/cm <sup>2</sup> seg 1C	DIN 52612
Linear expansion coefficient	7 x 10 <sup>-5</sup>	K-1	ISO 11359-2
Charpy impact resistance	Min. 13	kJ/m <sup>2</sup>	ISO 179/1 Fu
Rockwell hardness	100	Scale M	UNE-EN ISO 2039-2
Light transmittance at 420 nm	Min. 88		

### PHOTOLUMINESCENT PRODUCT:

- Composed of inert photoluminescent pigments of SrAl<sub>2</sub>O<sub>4</sub>:EuDy.
- Unlimited photoluminescent cycles of charge and discharge.

### ALUMINUM TRIM:

- Anodised aluminum
- Great resistance and and high durability
- It includes a self-adhesive area for easy installation on the methacrylate.

### DIMENSIONS:

- Holder for evacuation plans printed on DIN A2 sheets: 455x604 mm
- Holder for evacuation plans printed on DIN A3 sheets: 332x430 mm
- Holder for evacuation plans printed on DIN A4 sheets: 245x307 mm
- Other dimensions upon request.

### FINAL THICKNESS:

- 8mm ± 1



## INSTALLATION

- 1- Place the transparent sheet with the evacuation plan printed on through the opening up to its perfect location over the photoluminescent area (Transparent sheet not included).
- 2- Place the evacuation plan holder on the desired surface. If necessary, perform holes and place dowels.
- 3- Place the screws in the holes of the upper part of the plan holder, considering that the bolt heads shall be located on the side with the bigger holes. Tighten the screws till the holder is totally closed and correctly fixed to the wall.
- 4- Remove the protection from the adhesive area of the aluminium trim. Place it on the upper part of the methacrylate and press uniformly till its total fixing.
- 5- Bend manually the pins on the sides of the trim.



## STORAGE, CLEANING AND CONSERVATION

The working temperature should not be above 45°C.

The optimal storage temperature shall be between 15°C and 25°C, and a humidity of 10/50%.

Cleaning methods: avoid applying abrasive products. It is recommended to clean the product with water and neutral detergents.

