

# Photoluminescent Sign **Emergency EXIT Only**

2024 Product Data Sheet



Ecoglo “Emergency Exit Only” Signs are designed to be used in and about building to identify escape routes to meet Singapore Fire Code 2023 Clause 8.1.8 Photoluminescent Marking. The Signs will be clearly visible and readily understandable under all conditions of foreseeable use, including emergency conditions.

## SIGN DEFINITION

Use this door only to EXIT in a emergency.

## COMPLIANCE

Complies with the following SCDF Codes:

### *Code of Practice for Fire Precautions in Buildings 2023*

- Clause 8.1.8 Photoluminescent Marking,
- Clause 9.9.7 j (Mega Underground Development) Provision for emergency directional signs/generator

### *Code of Practice for Fire Precautions in Rapid Transit Systems 2022*

- Clause 8.1.8 Photoluminescent Marking, regulate Photo luminescent marking to guide occupants along evacuation routes to appropriate exit shall be provided.

## PERFORMANCE

30 minutes visibility

Minimum charging illuminance of 100 lux continuously during occupancy will ensure minimum luminance of 30 mcd for 30 minutes after failure of the main lighting.

90 minutes visibility

Minimum charging illuminance of 350 lux continuously during occupancy will ensure minimum luminance of 30 mcd for 90 minutes after failure of the main lighting.

**UV Resistance** – Loss of luminance after 1000 hours ASTM G-155 Cycle 1 exposure < 10%; Pass

**Salt Spray Resistance** - ASTM B117: Pass

**Washability** – ASTM D4828: Pass

**Reaction to Fire** - BS 476 Part 7: Class Two

**Toxicity** – BS 6853:1999 Annex B : Pass

**Brightness** - ISO 17398: 2004 : Class D (6760mcd/m<sup>2</sup> at 1 min, 967 mcd/m<sup>2</sup> at 10 min and 1 mcd/m<sup>2</sup> at 2138 min)

**Radioactivity** – Pass

## SUPPLY

The products are available in 3 sizes - maximum viewing distance at 6 metre, 12 metre and 16 metre.

PRODUCT CODE	PRODUCT NAME	SIGN SIZE (mm)	MAXIMUM VIEWING DISTANCE
S20-EE3313-6m	Emergency Exit Only	310 x 135	6 metre
S20-EE5419-12m	Emergency Exit Only	545 x 195	12 metre
S20-EE6924-16m	Emergency Exit Only	695 x 245	16 metre

## COMPOSITION

The high visibility flat panel is manufactured from 5005 0.9mm Aluminium sheet. Custom made photoluminescent pigment are embedded in thermoset polyester carriers to integrally bond the active ingredients into the aluminium following curing at high temperature.

## INSTALLATION

The standard sign is for mounting flat onto the wall.

Installation is a simple process with polyurethane adhesive, screw and plug or using polyurethane adhesive only if drilling is not possible.

Recommended installation adhesive is Bostik Seal N Flex FC.

Recommended installation plug is Fischer Plug SX.



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