

Photoluminescent Sign Pictogram

2024 Product Data Sheet



Ecoglo “Pictogram” 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

Exit Straight from here.

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/m² at 1 min, 967 mcd/m² at 10 min and 1 mcd/m² at 2138 min)

Radioactivity – Pass

SUPPLY

The products are available in 3 sizes - maximum viewing distance at 12 metre, 16 metre and 24 metre.

PRODUCT CODE	PRODUCT NAME	SIGN SIZE (mm)	MAXIMUM VIEWING DISTANCE
S20-RM2313-12m	Pictogram	230 x 133	12 metre
S20-RM2916-16m	Pictogram	290 x 162	16 metre
S20-RM4223-24m	Pictogram	420 x 230	24 metre

COMPOSITION

The high visibility flat panel is manufactured from 5005 0.9mm Aluminium sheet. Custom made photoluminescent pigments 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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