

Photoluminescent Sign Push Bar To Open

2024 Product Data Sheet



Ecoglo “PUSH BAR TO OPEN” Signs are designed to ensure visibility of push bars on doors in 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

Push Bar To Open in an 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/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 2 sizes

PRODUCT CODE	PRODUCT NAME	SIGN SIZE (mm)	MAXIMUM VIEWING DISTANCE
S20-PBGB4510-10m	Push Bar To Open	450 x 105	10 metre
S20-PBLB6012-12m	Push Bar To Open	600 x 120	12 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 doors.

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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Photoluminescent Sign

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