

Essential Tests:

Photoluminescent Safe Movement System for Stadiums and Arenas (INT)

PHOTOLUMINESCENT STEP EDGES/NOSINGS

a) PLC Level 4 Luminance Test

PLC Daylight Charging Simulation Test Method for Photoluminescent Egress Path Marking Systems

The photoluminescent material in Step Edge Markings shall have its performance verified by independent testing with activation charging of D65, 5,000 lux for 60 minutes.

Pass Criteria

After charging ceases, minimum luminance readings shall not be less than:

54mcd/m² after 120 minutes (2 hours)

23mcd/m² after 240 minutes (4 hours)

18mcd/m² after 300 minutes (5 hours)

10mcd/m² after 480 minutes (8 hours)

8mcd/m² after 600 minutes (10 hours)

b) UL 410 Slip Resistance

Standard for Slip Resistance for Floor Surface Materials

Pass Criteria

Passed by Underwriters Laboratory USA

OR

AS 4586-2013 Slip Resistance

Slip Classification of New Pedestrian Surface Materials,

Appendix A Wet Pendulum Test

Pass Criteria

Classification P5

PHOTOLUMINESCENT HANDRAIL MARKERS & ROW MARKERS

a) PLC Level 2 Luminance Test

PLC Daylight Charging Simulation Test Method for Photoluminescent Egress Path Marking Systems

The photoluminescent material in Step Return Markings, Handrail Markings and Row & Seat Markers shall have its performance verified by independent testing with activation charging of D65, 5,000 lux for 60 minutes.

Pass Criteria

After charging ceases, minimum luminance readings shall not be less than:

25.0mcd/m² after 120 minutes (2 hours)

10.4mcd/m² after 240 minutes (4 hours)

7.7mcd/m² after 300 minutes (5 hours)

4.5mcd/m² after 480 minutes (8 hours)

3.4mcd/m² after 600 minutes (10 hours)

ALL PRODUCTS

a) PLC HTC – High Temperature Curing

PLC Test Method for High Temperature Cured (HTC) Products

Pass Criteria

The samples shall have no colour change, blistering or distortion.

Anti-slip surfaces must be manufactured using HTC technology.