Successful Installation of PHOTOLUMINESCENT EXIT PATH MARKING SYSTEMS
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Mandates

Photoluminescent Markings in all enclosed stairwells used for emergency evacuation in all New & Existing buildings exceeding 75ft

- Handrails
- Stair Treads & Landings
- Demarcation Lines
- Exit Door Markings & Signage
- Obstruction Markings
Successful PL Installations

Requires Knowledge of:

- Enclosure Environment
- Surface Inspection & Prep
- Enclosure Traffic & Maintenance
Successful PL Installations

Verify Enclosure Lighting Meets Code:

- 1 Ft-Candle Minimum
- Continuously Illuminated
- NO Motion Sensors Allowed
Know Your Materials

Types of PL Products

► Flexible – Tapes and Thin Films
► Semi-Rigid  - PVC Based
► Rigid  - PVC Laminated to an Aluminum Substrate
► Rigid – Powder Coated
► Coatings – Two Part Paint Systems
Enclosure Environment

Difficult At Best

- Non-Conditioned Air
- Replicates Exterior Environment for Humidity & Temperature

Effects the Material Selection
Poor Material Selection
Poor Material Selection
Poor Material Selection
Enclosure Environment

Know Your Environmental Conditions

Select Materials Accordingly
Successful PL Installations

Requires Inspection & Surface Prep

Concrete
- Spalling, Loose Paint
- Surface Sounding
- Dished & Worn Treads
- Clean Surface 50% Alcohol
Successful PL Installations

Requires Inspection & Surface Prep

Metal Stairs
- Wire Brush Loose Paint
- Clean Surface 50% Alcohol
Successful PL Installations

Requires Inspection & Surface Prep

Rubber, VCT, Carpet Stairs

- Good Bonding to Subsurface
- Mechanical Attachment
Enclosure Traffic & Maintenance

Knowledge of:

- Stairs Used Every Day
- Level of Maintenance
  Power Washing
- Effects Material Selection
NFPA 101 and 5000
Means of Egress
Section 7.2.2.5.5 Exit Stair Path Markings

Differences from IBC

- No minimum building height specified
- PL strip integral with the nosing of each step
- Adhesive backed tapes shall not be used

Effective January 1, 2009 Nationwide
GSA
2005 Facilities Standard - P100

Section 7.8 Means of Egress

- Requires PL Exit Path Markings
- UL 924 PL Exit Signs
- Up-date to 2009 NFPA May of 2010
Poor Material Selection
Not Successful PL Installations
Not Successful PL Installations
Economical
Exceeds PL Codes
Slip Resistant
Durable
Successful PL Installations
Retrofit Stair Nosings

- Used on stairs that have been formed already
- Can install on stairs that have been chipped on the edges
- Higher Traffic Volume
- Solid or ribbed abrasive
- Swept back or 90 degree
Successful PL Installations
Successful PL Installations
Successful PL Installations

Enclosure Traffic & Maintenance

- PL Strip Integral with Stair Nosing
- Glue It & Screw It
- If You Walk On It
  No Tape or Paint
Successful PL Installations

Requires Knowledge of:

- Enclosure Environment
- Surface Inspection & Prep
- Enclosure Traffic & Maintenance
How Do You Know It Works

Recommend PL Products

Be Tested and Listed by an Accredited Independent Laboratory

DIIM
Photoluminescent Exit Sign

- IBC/IFC Section 1011.4
- Listed For UL 924
- LEED Points Qualified
- Zero Energy Use
- Zero Maintenance
- Use in Low and High Level Applications
- Meets All Current Building Codes-NFPA 101, GSA P100
- No Battery Backup
- 25+ Year Life Expectancy
Photoluminescent Exit Signs

Verify Enclosure Lighting Meets Code:

- 5 Ft-Candle Ambient Light Min
- 60 Minutes Prior to Occupancy
- Continuously Illuminated
Successful Installation of PHOTOLUMINESCENT EXIT PATH MARKING SYSTEMS
Thank you for your time and attention!