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RESEARCH REPORT: RR 25083
(CSI # 16530)

Expires: October 1, 2012
Issued Date: July 1, 2010
Code: 2008 LABC

GENERAL APPROVAL – Renewal- Active Safety Pathway Lighting - Self-Luminous Floor-Level Exit Marker, Exit Path Marking and High-Level Exit Signs.

DETAILS

- I. Self-Luminous Floor-Level Exit Marker and Exit Path Marking system consists of aluminum plates coated with PP2 polyurethane photo luminescent coating mounted between two pieces of aluminum-j-molds creating a slide bracket. The j-molds are permanently attached using either staples at 6" on center or drywall screws at 2" on center.
- II. Model #200a xxyyyH High-Level Sign is a photo luminescent layer of material covered by an aluminum plate with the legend cut out from it. Model # 2002xxyyyDH High-Level Exit Sign is a photo luminescent layer of material covered by an aluminum plate with the legend stenciled on it in red paint. The coating material is PP2 polyurethane. The sign is provided with 4 holes for mounting on a flat wall surface or is supplied with a mounting bracket for edge mounting.

The approval is subject to the following conditions:

1. Floor-level exit marker, Floor-level exit path marking and High-Level Exit Signs shall be required in accordance with Section 91.1011.6 of the 2008 Los Angeles City Building Code for new occupancies, change of occupancies, and existing occupancies where corridor systems are altered or modified.
2. Detailed architectural plans shall be submitted to Structural Plan Check for review and approval. Clearance shall be obtained from the Fire Department.

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3. Separate approval shall be obtained from the Electrical Plan Check Section to verify the minimum level of ambient light necessary to activate the marker whenever the building is occupied.
4. The system is limited to interior use and shall be applied on vertical surfaces only.
5. The system is to be maintained in good operational conditions and shall be replaced where damaged.
6. Once approved and installed, system location shall not be altered or modified without prior approval by this Department.
7. Fire-rated wall assemblies and labeled fire-rated door assemblies shall not be cut or altered for the installation of floor-level exit markers and path marking.
8. Floor-level exit markers shall be located on the exit doors or immediately adjacent to the exit doors and where overhead exit signs are required to clearly indicate the direction of egress to exits.
9. Floor-level exit path marking shall be installed continuously on corridor walls. Permitted openings such as corridor doors, elevator hoist way doors, and alcoves in continuous corridor walls for telephones or drinking fountains are except. Exit path marking is required on only one side of the corridor and shall not be installed intermittently on opposite walls of the corridor.
10. The system shall be listed by Underwriters Laboratories Incorporated on ETL and shall be delivered to the job site in sealed packages.
11. Inspector shall verify system installation does not result in any sharp corner joints.
12. In addition to the above, manufacturer's instructions shall be followed. A copy of the instructions shall be available at each job site.

DISCUSSION

The report is in compliance with 2008 Los Angeles Building Code.

This product has not been tested as a floor-level exit sign per UL 924.

The approval is based on satisfactory observation, air-oven aging, and light cycling tests conducted in accordance with UL 1994. The conditioning and observation tests demonstrated the ability of these materials to produce the desired effect initially and after 6 hours of total darkness.

Flame spread index tested in accordance with ASTM E162 is 22.88.

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The use of floor-level exit signs and path marking in the City of Los Angeles is regulated by Section 1011.6 of the 2008 Los Angeles City Building Code.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

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