



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 303-05-M

Manufacturer:

American PERMALIGHT, Inc., 2531 W 237th Street #113,
Torrance, CA 90505. Tel. 310-891-0924. Fax 310-891-0996.

Trade Name(s):

PERMALIGHT® Flexible Vinyl 0.4 mm; 81-60009

Product:

Flexible Vinyl: photoluminescent; self-adhesive; with universal permanent adhesive for permanent installation; to be used for RS 6-1 compliant signage and markings, e.g., on floors, walls, stairs, doors, handrails, push bar markings, etc.

Pertinent Code Section(s):

§27-383(b), Reference Standards RS 6-1 and RS6-1A

Prescribed Test(s):

1. Brightness Ratings – ISO 17398:2004
2. Washability ASTM D 4828-1994 (2003)
3. Toxicity Bombardier SMP 800-C
4. Radioactivity ASTM D 3648-2004
5. Flame Spread ASTM E 162-2002
and ASTM D 635-2003
6. UV Degradation ASTM G 155-2004

Laboratory:

California Institute of Electronics and Materials Science –
Tests: 1. & 4. & 6. Bodycote – Tests: 2. & 3. & 5.

Test Report(s):

CIEMS – Brightness Test Report: 950280813 dated August 30, 2005. Bodycote – Washability Test Report: 05-04-1781-2-2 dated May 31, 2005, revised August 19, 2005. Bodycote – Toxic Gas Generation Test Report: 05-02-509(B3) dated July 12, 2005. CIEMS – Radioactivity Test Report: 950070870 dated July 6, 2005. Bodycote – Horizontal Burning Rate Test Report: 05-02-509(B2)Rev.1 dated June 15, 2005. Bodycote – Surface Flammability Test Report: 05-02-509(B1) issued July 12, 2005. CIEMS – UV Degradation Test Report: 950180511-1 dated August 2005.

Description:

Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Flexible Vinyl 0.4 mm	max. 40" x 48"	81-60009**
Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Modular Design System for Signage		
Exit [4" letter height]	4.35" x 8.7"	86-60019
Exit [4" letter height]	4.35" x 8.7"	86-60019P
Man to right [4" symbol height]	4.35" x 4.35"	86-60029
Man to right [4" symbol height]	4.35" x 4.35"	86-60029P
Man to left [4" symbol height]	4.35" x 4.35"	86-60039
Man to left [4" symbol height]	4.35" x 4.35"	86-60039P
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60049
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60049P
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60059
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60059P
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60069
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60069P
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60079
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60079P
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60089
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60089P
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60099
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60099P
Markings		
Flexible vinyl tape roll	1" x 50 ft.	82-60019
Flexible vinyl tape roll	2" x 50 ft.	82-60029
Door handle markings for intermediate & final exit doors, self-adhesive (shape could vary but no less than 16 sq.in. in size); may include safety green graphics, such as arrows, EXIT, PUSH, PULL or similar egress related symbols provided the minimum 16 square inches of photoluminescent material are maintained.	min. 16 sq.inch	82-60109
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	1" x 4 ft	83-60109
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	2" x 4 ft	83-60119
Marking strip for handrail and push bar, self-adhesive	1" x 4 ft	83-60069
Marking strip for handrail and push bar, self-adhesive	2" x 4 ft	83-60079
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	1" x 4 ft	83-60089
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	2" x 4 ft	83-60099
L-shaped marker for stairs LEFT with anti-skid surface, self-adhesive	1" x 3" x 8"	83-60029
L-shaped marker for stairs RIGHT with anti-skid surface, self-adhesive	1" x 3" x 8"	83-60039
L-shaped marker for stairs LEFT with anti-skid surface, self-adhesive	2" x 4" x 8"	83-60049
L-shaped marker for stairs RIGHT with anti-skid surface, self-adhesive	2" x 4" x 8"	83-60059
L-shaped marker for stairs LEFT with anti-skid surface, self-adhesive	1" x 3" x custom	83-60129
L-shaped marker for stairs RIGHT with anti-skid surface, self-adhesive	1" x 3" x custom	83-60139
L-shaped marker for stairs LEFT with anti-skid surface, self-	2" x 4" x custom	83-60149

adhesive		
Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
L-shaped marker for stairs RIGHT with anti-skid surface, self-adhesive	2" x 4" x custom	83-60159
Combined Signs		
Man to right + arrow right [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60119
Man to right + arrow right [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60119P
Man to left + arrow left [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60129
Man to left + arrow left [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60129P
Man to right + arrow right up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60139
Man to right + arrow right up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60139P
Man to left + arrow left up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60149
Man to left + arrow left up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60149P
Man to right + arrow right down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60159
Man to right + arrow right down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60159P
Man to left + arrow left down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60169
Man to left + arrow left down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60169P
Man to right + arrow straight down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60179
Man to right + arrow straight down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60179P
Man to right + arrow straight up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60189
Man to right + arrow straight up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60189P
NOT AN EXIT sign with Symbol; black & red print 0 [Letters 1" height]	8" x 6"	86-60199P
FINAL EXIT + Man to right + arrow straight up [Man symbol + EXIT 4" height; arrow 2 3/4"; FINAL 2" height]	14" x 8"	86-60209
FINAL EXIT + Man to right + arrow straight up [Man symbol + EXIT 4" height; arrow 2 3/4"; FINAL 2" height]	14" x 8"	86-60209P
EXIT THROUGH LOBBY + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; THROUGH LOBBY 2" height]	8" x 18"	86-60219
EXIT THROUGH LOBBY + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; THROUGH LOBBY 2" height]	8" x 18"	86-60219P
EXIT TO STREET + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60229
EXIT TO STREET + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60229P
EXIT TO STREET + Man to left + arrow left down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60239
EXIT TO STREET + Man to left + arrow left down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60239P
Man to left + arrow left down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60249
Man to left + arrow left down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60249P
Man to right + Arrow right down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60259
Man to right + Arrow right down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60259P
Man to right + Arrow right up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60269
Man to right + Arrow right up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60269P
Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Man to left + Arrow left up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60279

Man to left + Arrow left up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60279P
EXIT + Man to right [Man + EXIT symbol 4" height]	4.5" x 9.5"	86-60289
EXIT + Man to right [Man + EXIT symbol 4" height]	4.5" x 9.5"	86-60289P
NOT AN EXIT [Letters 1" height]	1.5" x 6"	86-60299
NOT AN EXIT [Letters 1" height]	1.5" x 6"	86-60299P
Sign: Custom, possible with letters, numbers, graphics (e.g., Floor Number, Stair Case Designation, Re-entry Door sign, ADA-related, and more); additional/non-required signs per § 2.5 that direct persons to egress routes; non-photoluminescent portions in safety green.	various dimensions	86-60309 *
Sign: Custom, possible with letters, numbers, graphics (e.g., Floor Number, Stair Case Designation, Re-entry Door sign, ADA-related, and more); additional/non-required signs per § 2.5 that direct persons to egress routes; non-photoluminescent portions in safety green.	various dimensions	86-60309P *
Sign: Custom (e.g., Fire fighting related, ADA-related, and more); additional/non-required signs per § 2.5 that are informational but do not direct persons to egress routes with the non-photoluminescent portions in any color but safety green	various dimensions	86-60319 *
Sign: Custom (e.g., Fire fighting related, ADA-related, and more); additional/non-required signs per § 2.5 that are informational but do not direct persons to egress routes with the non-photoluminescent portions in any color but safety green	various dimensions	86-60319P *

- Notes:**
- * The model(s) with 1 asterisk comply with laboratory tests but do not satisfy the design and/or dimensional requirements for mandatory installations under Section 2.1 and 2.2 of RS6-1. These models with asterisks may be installed only as "additional signs and markings" under section 2.5 of RS 6-1.
 - ** The model(s) with two asterisks is intended for sale to secondary manufacturers who must apply for their own respective MEA number.

P as part of model number designates: POSITIVE print.

Terms and Conditions: That the above units are accepted on condition that:

1. Pathway markings of green color shall be in compliance with ANSI X535.1 Safety Color Code.
2. Arrows and egress symbols shall comply with ISO 7010 E001, E002, E003, E004.
3. All approved materials shall be labeled and identified with the model number as well as with MEA No. 303-05-M BR: 32-8-5 UV in a minimum of six (6) point type with at least one such identification on each piece of material installed in accordance with RS 6-1.
4. No radioactive materials are to be used.
5. All signs and markings shall conform to the pictorial representations submitted with this application.

6. All models directing persons to exits are to be installed at a low location so as not to confuse with other required exit signage.
7. No transparent or translucent overlaminates, varnishes, or other coatings shall be applied to the photoluminescent portions of the marking.
8. This acceptance is limited to the materials used and does not include the installation for compliance with §27-383(b) and Reference Standard 6-1, which is the responsibility of the building owner.

All shipments and deliveries of photoluminescent exit path markings shall be provided with a certification from the manufacturer, certifying that the materials shipped or delivered are equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance SEP. 26. 2005

Examined by Simon Derfheidam