



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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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 315-05-M

**Manufacturer:** American PERMALIGHT, Inc., 2531 W 237<sup>th</sup> Street #113, Torrance, CA 90505. Tel. 310-891-0924. Fax 310-891-0996.

**Trade Name(s):** PERMALIGHT® Flexible PVC 0.3 mm; 81-60005

**Product:** UV rated flexible PVC photoluminescent Exit Path Marking System

**Pertinent Code Section(s):** §27-131.1, 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 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: 950280362. Bodycote – Washability Test Report: 05-04-2105-2. Bodycote – Toxic Gas Generation Test Report: 05-02-509(A3). CIEMS – Radioactivity Test Report: 950070870. Bodycote – Horizontal Burning Rate Test Report: 05-02-509(A2). CIEMS – UV Degradation Test Report: 950180511-1.

**Description:** Flexible PVC: photoluminescent; self-adhesive; with universal permanent adhesive for permanent installation; to be used for RS 6-1 compliant signage and markings

<b>Photoluminescent Signage and Exit Path Markings</b>	<b>Size (height x width)</b>	<b>Model-No.</b>
Flexible PVC 0.3 mm	max. 40" x 48"	81-60005 **
<b>Photoluminescent Signage and Exit Path Markings</b>	<b>Size (height x width)</b>	<b>Model-No.</b>
<b>Modular Design System for Signage</b>		
Exit [4" letter height]	4.35" x 8.7"	86-60015
Exit [4" letter height]	4.35" x 8.7"	86-60015P
Man to right [4" symbol height]	4.35" x 4.35"	86-60025
Man to right [4" symbol height]	4.35" x 4.35"	86-60025P
Man to left [4" symbol height]	4.35" x 4.35"	86-60035
Man to left [4" symbol height]	4.35" x 4.35"	86-60035P
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60045
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60045P
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60055
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60055P
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60065
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60065P
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60075
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60075P
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60085
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60085P
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60095
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60095P
<b>Markings</b>		
Door handle marking 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	82-60105
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	1" x 4 ft	83-60105
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	2" x 4 ft	83-60115
Marking strip for handrail and push bar, self-adhesive	1" x 4 ft	83-60065
Marking strip for handrail and push bar, self-adhesive	2" x 4 ft	83-60075
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	1" x 4 ft	83-60085
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	2" x 4 ft	83-60095
L-shaped marker for stairs LEFT, self-adhesive	1" x 3" x 8"	83-60025
L-shaped marker for stairs RIGHT, self-adhesive	1" x 3" x 8"	83-60035
L-shaped marker for stairs LEFT, self-adhesive	2" x 4" x 8"	83-60045
L-shaped marker for stairs RIGHT, self-adhesive	2" x 4" x 8"	83-60055
L-shaped marker for stairs LEFT, self-adhesive	1" x 3" x custom	83-60125
L-shaped marker for stairs RIGHT, self-adhesive	1" x 3" x custom	83-60135
L-shaped marker for stairs LEFT, self-adhesive	2" x 4" x custom	83-60145
L-shaped marker for stairs RIGHT, self-adhesive	2" x 4" x custom	83-60155

<b>Combined Signs</b>			
Man to right + arrow right	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60115
Man to right + arrow right	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60115P
Man to left + arrow left	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60125
Man to left + arrow left	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60125P
Man to right + arrow right up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60135
Man to right + arrow right up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60135P
Man to left + arrow left up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60145
<b>Photoluminescent Signage and Exit Path Markings</b>		<b>Size (height x width)</b>	<b>Model-No.</b>
Man to left + arrow left up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60145P
Man to right + arrow right down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60155
Man to right + arrow right down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60155P
Man to left + arrow left down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60165
Man to left + arrow left down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60165P
Man to right + arrow straight down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60175
Man to right + arrow straight down	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60175P
Man to right + arrow straight up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60185
Man to right + arrow straight up	[Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60185P
NOT AN EXIT sign with Symbol; black & red print	[Letters 1" height]	8" x 6"	86-60195P
FINAL EXIT + Man to right + arrow straight up	[Man symbol + EXIT 4" height; arrow 2 3/4"; FINAL 2" height]	14" x 8"	86-60205
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"	86-60215
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"	86-60215P
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"	86-60225
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"	86-60225P
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"	86-60235
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"	86-60235P
Man to left + arrow left down + EXIT	[Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60245
Man to right + Arrow right down + EXIT	[Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60255
Man to right + Arrow right up + EXIT	[Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60265
Man to left + Arrow left up + EXIT	[Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60275
EXIT + Man to right	[Man + EXIT symbol 4" height]	4.5" x 9.5"	86-60285
NOT AN EXIT	[Letters 1" height]	1.5" x 6"	86-60295
NOT AN EXIT	[Letters 1" height]	1.5" x 6"	86-60295P
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	86-60305 *
Sign: Custom, possible with letters, numbers, graphics (e.g., Floor Number, Stair Case Designation, Re-entry Door sign, ADA-		various dimensions	86-60305P *

related, and more); additional/non-required signs per § 2.5 that direct persons to egress routes; non-photoluminescent portions in safety green.		
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	86-60315 *
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	86-60315P *

**Notes:** \* The model(s) with asterisks 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 be 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, and E004.
3. All approved materials shall be labeled and identified with the model number as well as with MEA No. 315-05-M BR: 50-11-7 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 Derfheclom