



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 607-06-M

Manufacturer: Wooster Products, Inc., 1000 Spruce Street, Wooster, OH 44691

Trade Name(s): NITEGLOW®: Wooster Products, Inc.

Product: Photoluminescent exit path marking epoxy coating

Pertinent Code Section(s): §27-383(b), Reference Standards RS 6-1 & RS 6-1A

Prescribed Test(s):

1. Brightness Rating: ISO17398- 2004
2. Washability: ASTM D4828- 1994 (2003)
3. Toxicity Bombardier: SMP 800-C
4. Radioactivity: ASTM D3648- 2004
5. Flame Spread: ASTM D635- 2003

Laboratory: Brightness, Radioactivity: California Institute of Electronics & Material Science (CIEMS)
Flame Spread, Washability, Toxicity: Bodycote Materials Testing Lab.

Test Report(s): CIEMS

1. Brightness – Report No. 1060301201A, dated October 10, 2006
2. Radioactivity – Report No. 1060301381, dated October 18, 2006

Bodycote

1. Flame Spread – Report No. 06-02-805(A), dated November 3, 2006
2. Washability – Report No. 06-04-2276-1, dated November 13, 2006
3. Toxicity – Report No. 06-02-805(B), dated November 3, 2006

Description: NITEGLOW® NG-100 is an Epoxy Coating system designed to be applied in one-step process over White Background for emergency egress line marking applications for MEA. The product can be used for exit path markings, steps, leading edge of landings and floor perimeter demarcation lines. This safety grade photoluminescent material is designed to meet requirements of RS 6-1 and RS 6-1A NYC LL26/04.

Terms and Conditions:

1. No radioactive materials are to be used.
2. All markings shall comply with the placement and dimensional requirements of RS 6-1, which is the responsibility of the building owner.
3. No transparent or translucent overlaminates, varnishes, or other coatings shall be applied to the photoluminescent portions of the markings.
4. The accumulation of dirt on any photoluminescent product decreases its effectiveness because dirt reduces the ability of the activating light needed to charge the material and reduces the material's ability to emit luminance. All shipments and deliveries shall be provided with maintenance instructions as described in the manufacturer's "Maintenance of Existing Line Markings".
5. The epoxy coating and labeling shall comply with all applicable federal, state, or city laws or regulations.
6. The labels on the epoxy coating containers that are delivered to the installation site shall contain at least the following information: MEA No. 607-06-M; BR 51-9-6.
7. 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 New York City Building Code.
8. The following information shall be supplied from the manufacturer.

General Use Directions

1. Wooster Products Ultra White Acrylic Background Enamel #114 was applied to provide a solid white base coat using a 3/8" nap roller cover.
2. Using approximately 25 mil thick stencil and a stainless steel Putty knife, one(1) coat of NITEGLOW® NG-100 Epoxy was used to achieve MEA-requirements.

Methods of Mixing and Applying NITEGLOW® NG- 100 MEA Epoxy Coating For Exit Path or Egress System Markings

A two-component epoxy coating has been especially formulated to achieve Brightness requirements for MEA easily in one properly applied coat over White Acrylic Background. Mix all of Part B component with all of Part A component using an electric drill mounted with a paint/epoxy mixer for about two minutes or until the color is uniform. When the NITEGLOW® NG-100 is completely mixed, it will be of a consistency similar to a thick paint. Thorough mixing at slow speed is required to re-disperse fillers without introducing excessive air.

Step 1: Apply Wooster Products Ultra White Acrylic Background Enamel #114 base coat to clean prepared surface. Apply 1 or more coats as needed using a 3/8" nap roller cover or brush, achieving consistent white base coat. It is designed to be rolled on most surfaces. May be recoated within 30 minutes to one hour. Let it dry before applying photoluminescent epoxy coating.

Step 2: Use about 25 mil thick stencil or masking to achieve proper coating thickness as well as for obtaining neat edges. The stencil and/or coating thickness guide will be included in the Epoxy Kit. Apply photoluminescent epoxy coating over the stencil or masking; begin spreading with a stainless steel Putty knife at approximately a 45° angle. As a general rule, the thicker the paint the greater the photoluminescent activity. However, a minimum photoluminescent coating of 25 mil is required to achieve MEA requirements.

Additional directions for use under NYC LL 26/04

New Line Markings: Read and understand Local Law 26 and New York City Building Code Reference Standard RS 6-1 prior to the use of this product to create markings which comply with the specifications set forth therein.

Photoluminescent emergency egress line marking dimensions which may be created with this epoxy product are defined under Local Law 26 and RS 6-1A, and may be used only as a line marking coating for these purposes. It is the responsibility of the professional user to be familiar with Local Law 26 and RS 6-1 to achieve compliance using this product.

Maintenance of Existing Line Markings

Soiled Markings: It is important to keep markings clean to ensure maximum performance. Avoid excessive abrasion from mechanical cleaning devices. Use household cleaning agents such as 409, Fantastic, etc. to remove any markings or staining. Waxing or other encapsulate films are not permitted because this may affect the brightness of the epoxy coating.

Touch up Scuffed or Damaged Markings

The photoluminescent epoxy can be applied over old coatings after abrading them for better adhesion. If entire coating is damaged, repeat the original instructions for use. Follow the guidelines of NYC Local Law 26.

Certification

Wooster Products, Inc. certifies that the NITEGLOW® NG-100 Epoxy Kit consisting of Part A and Part B cans is equivalent to that tested and accepted for use by the city of New York as provided for in New York City Administrative Code Section 27-131.

Note: Per §27-131(d), all materials tested and acceptable for use, shall be subject to periodic retesting as determined by the Commissioner, and any material which, upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance 4/3/07

Examined By Simon Raskhidam dfr.