



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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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 311-06-M

Manufacturer: Sherwin-Williams 101 Prospect Avenue N W 927
Midland Building Cleveland, OH 44115

Trade Name(s): Photo-Luminescent Interior Latex Flat

Product: Photo-Luminescent Exit Path Marking Paint

Pertinent Code Section(s): 27-383 (b) and reference Standards RS 6-1 and RS 6-1A.

Prescribed Test(s):

1. Brightness Ratings- ISO 17398:2004
2. Washability ASTM D4828:1994
3. Radioactivity ASTM D3648:2004
4. Toxicity Bombardier SMP 800-C
5. Flame Spread ASTM D635:2003

Laboratory: VTEC Laboratories Inc. California Institute of
Electronic and Material Science

Test Report(s): Brightness: Report No. CIEM960720681-1, dated
February 18, 2006
Washability: Report No. 100-2347-3, dated February
24, 2006
Radioactivity: Report No. CIEM960720681-2, dated
February 24, 2006
Toxicity: Report No. 100-2347, dated February 15,
2006
Flame Spread: Report No. 100-2347-2, dated
February 16, 2006

Description – Photo-luminescent Interior Latex Flat containing B90600200 is designed to glow in the dark providing significantly increased safety in stairwells if power to normal lighting should fail or if the batteries in back-up lighting are discharged. Photo-luminescent interior latex flat is a high performance Photo—luminescent VOC compliant latex coating that is to be applied as a system with ProMar^R 200 Luminous White Base. Its uses are for emergency egress line marking applications as specified in Local Law 26 and New York City Building Code Reference Standard RS 6-1.

Terms and Conditions:

1. All markings shall comply with the requirements of RS 6-1, which is the responsibility of the building owner.
2. No radioactive materials are to be used.
3. No transparent or translucent overlaminates, varnishes, or other coatings shall be applied to the photoluminescent coating unless approved by Sherwin-Williams.
4. The paint shall comply with any applicable federal, state, and city laws and regulations.
5. This acceptance is limited to the materials use 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.
6. 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 "Maintenance of Existing Line Markings."
7. The labels on the paint containers that are delivered to the installation site shall contain at least the following information: MEA No. 311-06-M; BR 69-14-9

SPECIFICATIONS

Primers and/or fillers may be required to properly prepare the surface and/or to provide a uniform finish.

To maximize the luminescent effect, apply one uniform coat of ProMar® 200 Interior latex Flat Luminous White to the properly prepared surface before applying Photo-Luminescent Interior Latex Flat Coating.

Block

- 1 ct PrepRite Block Filler
- 1 ct ProMar 200 Interior Latex Flat Luminous White
- 1-2 cts Photo-Luminescent Interior Latex Flat Coating

Drywall

- 1 ct PrepRite 200 Latex Primer
- 1 ct ProMar 200 Interior Latex Flat Luminous White
- 1-2 cts Photo-Luminescent Interior Latex Flat Coating

Plaster

- 1 ct PrepRite Masonry Primer
- 1 ct ProMar 200 Interior Latex Flat Luminous White
- 1-2 cts Photo-Luminescent Interior Latex Flat Coating

Masonry

- 1 ct PrepRite Masonry Primer
- 1 ct ProMar 200 Interior Latex Flat Luminous White
- 1-2 cts Photo-Luminescent Interior Latex Flat Coating

Wood

- 1 ct PrepRite Wall. and Wood Primer
- 1 ct ProMar 200 Interior Latex Flat Luminous White
- 1-2 cts Photo-Luminescent Interior Latex Flat Coating

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with PrepRite ProBlock Primer Sealer.

Drywall

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block

All new surfaces must be cured according to the supplier's recommendations — usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with PrepRite Masonry Primer.

Plaster

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Mildew

Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

MAINTENANCE

It is important to keep Photo-Luminescent Interior Latex Flat Coating clean to ensure maximum performance. 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.

To assure maximum performance, wait at least two weeks before washing the dry paint film. When removing stains, dirt, and marks, use a soft cloth or sponge with clean water or general purpose household cleaner. Penetrating stains and marks may be removed either by applying a solution of household bleach in water and then rinsing with clean water; or by carefully using an abrasive cleaner and water. Avoid excessive abrasion from mechanical cleaning devices.

Waxing or over-coating/clear-coating is not permitted because this may affect the brightness of the paint.

APPLICATION

Stir well before using and occasionally during use.

Apply at temperatures above 50°F.

No reduction needed.

Brush

Use a nylon/polyester brush.

Roller

Use a 3/8" — 3/4" nap synthetic cover.

Spray— Airless

Pressure — 2000 psi

Tip- .017"-.021"

NOTE: In accordance with section 27-131(d), all materials tested and accepted 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 June 8, 2006

Examined By Simon Darkhede