

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner

MEA 391-00-E
Report of Material and Equipment Acceptance Division

Manufacturer - Torontex Corporation, 1 Clark Avenue West, Unit 1912, Thornhill, Ontario Canada L4J 7Y6.

Trade Name(s) – SafeSign.

Product – Photoluminescent signs.

Pertinent Code Section(s) – Local Law 76, Article 7, Exit Signs, Section [26-606.3] 27-385 (f)

Test(s) - Radioactivity Test (ASTM D3648), Toxicity Test (16 CFR 1500.40), Washability Test (ASTM D4828), Fire Retardancy Test (ASTM D 3806), and Visibility Test.

Laboratory - DL Laboratories, MB Research Laboratories, SGS U.S. Testing Company Inc., California Institute of Electronics and Materials Science.

Test Report(s) - DL Laboratories Report No. DL-12669 dated April 7, 2000, MB Research Laboratories Report No. MB00-8327.02 dated May 3, 2000, SGS U.S. Testing Company Inc., Report No. 140074 dated April 27, 2000, California Institute of Electronics & Materials Science No. 500530642 dated March 24, 2000, and statements from four laboratories on Torontex Stationery signed March 28, 2001, March 27, 2001, April 9, 2001 and March 27, 2001.

Description – Photoluminescent, refined phosphorescent exit sign with block RED lettering which is at least eight inches high with the strokes at least three-quarters of an inch wide. Aluminum Photoluminescent Exit Signs, Model R01A3020 and R01A3020B, designed to be installed in public buildings to identify the egress discharge or the direction to the egress discharge. The signs are designed to be maintenance free, and being visible for 8 hours in total darkness should there be a power outage. No wiring is required. The sign can be nailed onto wall or adhered using pressure-sensitive adhesive or cement. It is specifically produced with aluminum for enhanced fire-retardant properties.

Note: Dictionary of Science and Technology, T.C. Collocatta M.A. published 1972 defines: Phosphorescence (Chem.). Greenish glow observed during slow oxidation of white phosphorus in air. (Light) Luminescence which persists for more than 0.1 nanosecs after excitation.

Luminescence (Light). Emission of light (other than from thermal energy causes) such as bioluminescence, triboluminescence, galvanoluminescence, photoluminescence, cathodoluminescence, etc.

Recommendation - That the above Exit Sign be accepted on condition that all uses, locations and installations comply with the New York City Building Code, specifically Section 27-385(f) on condition that:

(f) Except for buildings not provided with artificial lighting and buildings which maintain one or more auxiliary systems for emergency exit lighting in the event of a public utility failure, there shall be either (1) an illuminated exit sign with the background thereon made of an approved phosphorescent material or (2) a supplemental exit sign made of an approved phosphorescent material with an opaque text and placed adjacent to or as close as possible to such illuminated sign.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance November 24, 2001

Examined By Mark Jacoby