

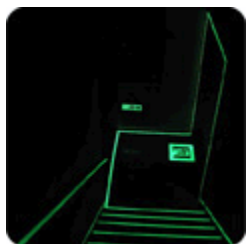


What is LumiNova®

LumiNova® is a class of newly developed phosphorescent (glow-in-the-dark) pigments which are based on Strontium Oxide Aluminate chemistry. They are drastically different from conventional phosphorescent pigments which are either based on Zinc Sulfide or on radioisotopes for their self-luminous properties.

LumiNova® was invented and developed by **NEMOTO & CO. LTD.** of Tokyo, Japan. Nemoto has been in the luminous pigments business since 1941 and is one of the leading phosphorescent pigment manufacturers in the world.

LumiNova® Pigments are in the TSCA inventory and NEMOTO & CO LTD., Ltd. was granted the US Patent in 1995 and since then in many other countries worldwide.



LumiNova® Features

- Afterglow period of ten times current ZnS based phosphorescent pigments.
- Activation by a wide wavelength band (200-450 nm) but best results are obtained with an activation energy under 350 nm;
- Initial afterglow brightness of up to ten times that of conventional phosphorescent pigments;
- Increase in luminescence and afterglow with longer activation time;
- Excellent weather and light fastness;
- Free of hazardous and radioactive substances.



LumiNova® Applications

LumiNova® was originally developed to satisfy the current and future needs of the clock, watch and the instrument dial industries, but soon it was found out that like many other new products, the application possibilities are almost limitless.

Applications include (but not limited to):

- Clock & Watch dials;
- Electronic instrument dial pads;
- Home appliances;
- Remote control keypads
- Lighting apparatus and switches;
- Exit sign boards;
- Emergency signage and low level lighting escape (egress) systems;
- Aircraft and automobile dials and instrument panels;
- Firemen's equipment;
- Traffic signs & high visibility signs;
- Fishing equipment;
- Military applications;
- Outdoor path marking;
- Camping equipment;
- Textile printing and textile fibers;
- Writing & printing inks (gravure, flexo, litho);
- Paints & coatings (including water based systems)

Other applications where a long afterglow and/or light fastness is needed.

LumiNova® Photo Galleries: [G1](#), [G2](#), [G3](#), [G4](#), & [G5](#)