

Colors change according to the type of illuminating light
Dual color Fluorescent materials

FLUOBRIGHT+

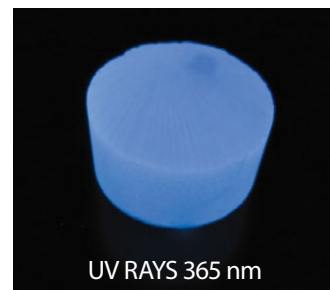
Characteristics

- Colorless and transparent, the materials emit light under UV exposure
- The color changes with ultraviolet radiation
- Very stable and durable emission intensity
- Powder or block selection possible

RED & BLUE

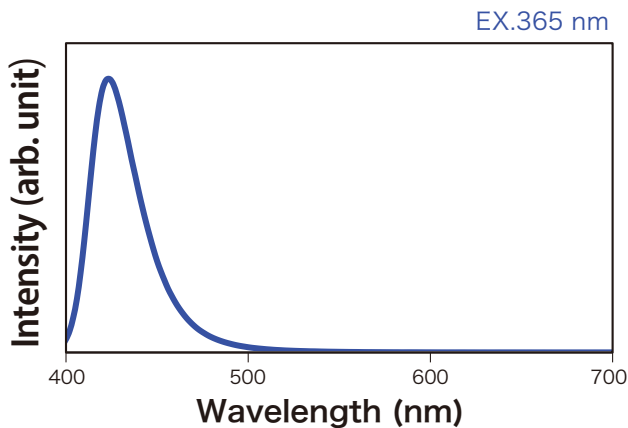
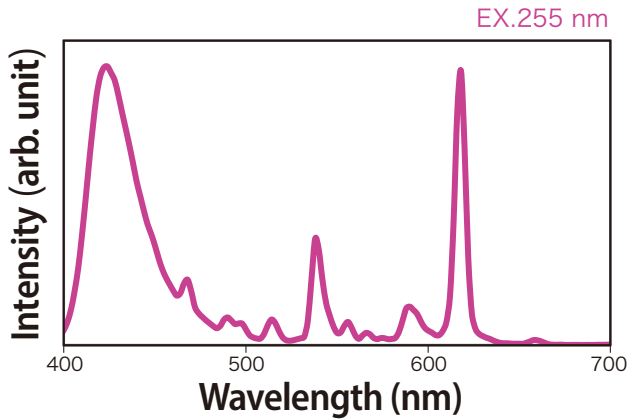


GREEN & WHITE



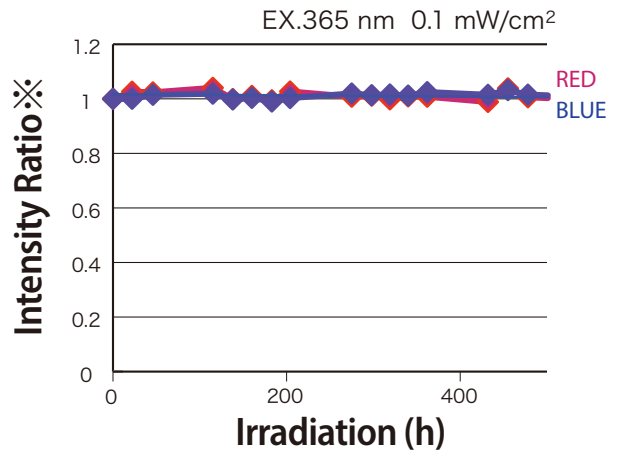
The materials emit different colors when excited at around 365 nm, which is the typical wavelength of UV light, and when excited at around 255 nm, the wavelength used for sterilization and other applications. The materials are very stable and durable, meaning the emitted intensity and color do not change even when exposed to UV light for long periods.

Emission wavelength



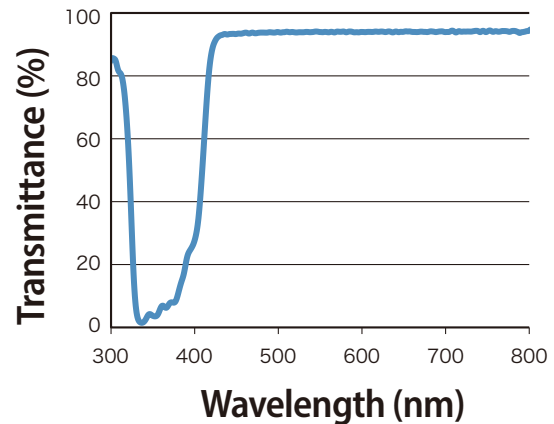
UV RAYS 255 nm UV RAYS 365 nm

Durability



※Ratio using the intensity before irradiation as the baseline value 1.

Transmittance



(These are data of red & blue type.)

Application

- **Forgery Prevention** : Adds value to jewelry and decorative objects.



Jewelry, Watch, Bag

- **Ultraviolet meter** : Useful as a checker for the emitted wavelength and range from UV devices.



Medical science, Biotechnology

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