



Did you know ~ What activates the glow in the dark products?

The short answer: Things that glow in the dark contain a substance called **Phosphor**, which is capable of radiating light after it has become energized. Such substances first soak up energy for long periods when exposed to light and subsequently radiate visible light in the dark.

The long answer: Glow in the Dark Gel Polishes and Glow in the Dark Powders will charge, glow and radiate differently, here is why.

Glow in the dark pigments are Photo-luminescent Pigments, they contain phosphors that are charging by absorbing all visible light, such as UV light, sunlight, lamp light etc. The Phosphors are giving off more or less visible light after being energized; they will have to soak up enough light for a while, before they are glowing in the dark environment, and will do so during a variable time as well. It is not possible to know how long & how bright this glowing energy will be on for.

It will all depend on these below factors:

- * the concentration of pigments into formulas
- * the quantity & the thickness of layers of the products used : paint, gel polish, powder, pigments etc will have differences
- * the background colour from the previous layers (lighter background layers eg. White, seems to be best for a brighter reflection of the light)
- * the amount & the strength from the source of light exposure under the charge, for these pigments to absorb sufficient energy from sunlight, UV light etc
- * and also the amount of time for exposure to these lights to charge these phosphor particles.

All these variable factors will give a wide range of results with relatively variable effects for the glowing.

The bigger particle size, the brighter => this means that the concentration of pigment particles will be higher in products like : eg. the Powders Glow in the Dark, they go with a thicker coverage onto the nails, more opacity & much more density of pigments into the powders. It's different with Gel Polishes Glow in the Dark, at application you are getting a thinner coverage onto the nails and using thinner layers, there is much less opacity & coverage, therefore a much lesser concentration of pigments into the formulas for the Gel Polishes, and this is normal.

The darker environment, the brighter. The Glow in the Dark effect tends to be more apparent in Powders Glow in the Dark, as they are generally made with a heavier density in pigments and also the coverage layer onto the nails is usually opaque and thicker. Another good point to keep in mind is this one too, for Gel Polishes to be maintained with an easy thin viscosity making them easier to apply, their concentration in pigments (and other particles eg. shimmers, glitters, pigments etc...) have to remain relatively lighter, to keep the viscosity smooth and adequate for a thin application; otherwise the gel polishes charged with too much pigments and particles are simply too heavy in their viscosity and therefore thicker and difficult to apply.