

# Instructions for Using Core Glow Powder

## Applications:

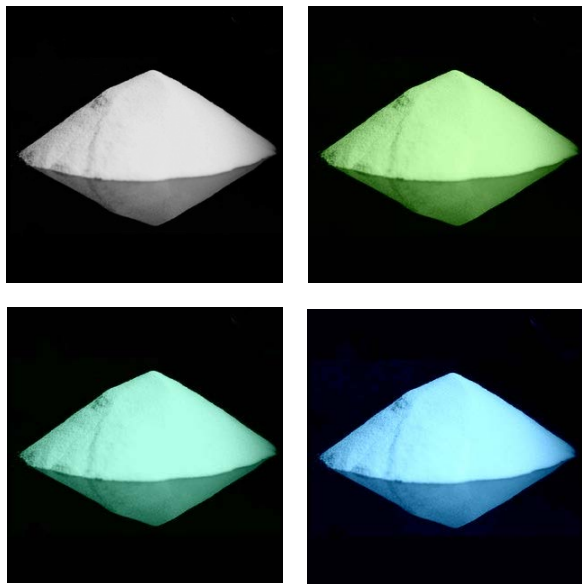
Mix Core Glow powder with clear resins, epoxies, paints, and lacquers to create your own glow designs. You can mix the powder directly into the medium or dust it over top.

Table 1. Suggested mixtures for maximum glow

Medium	Glow Powder
1 oz (30 ml)	½ oz (14gm)
1 pint (473 ml)	½ lb (225 gm)
1 quart (950 ml)	1 lb (500 gm)
1 gallon (3.8 L)	2 lb (900 gm)

Core Glow powder is composed of 100% strontium aluminate crystals. Choose your medium carefully to avoid the decomposition of the crystal structure.

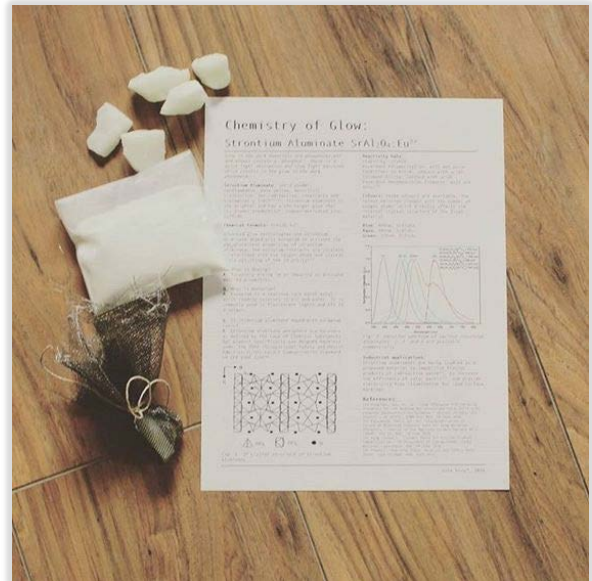
- *Oil and alcohol based mediums* will suspend the glow crystals without breaking them down.
- *Water based mediums* such as acrylic or gel will break down the strontium aluminate crystal structure reducing the luminosity and longevity of your project.



Photos (clockwise from top left): (1) Core glow powder is slightly off-white in regular light. (2) Green glow powder glows the brightest at 520nm. 3. Aqua glow powder at 480nm. 4. Blue glow powder at 400nm.

## Project Steps:

1. Choose your favourite glow colour and appropriate medium to combine.
2. Prepare the surface. Choose a primer specific to the substrate to be painted, we suggest using a white or light coloured primer.
3. Mix the glow powder thoroughly with your chosen medium. Only mix as much as you immediately plan on using. Mix gently to avoid crushing the strontium aluminate crystals.



Core Glow powder is the base of our many glow products including glowing glass crystals, smooth cobbles, and marble chips.

4. Apply multiple thin coats to your project surface, allowing each application to dry fully between coats. Apply additional coats to increase luminosity.
5. Finish your project with a clear sealant.
6. Allow surface to charge in the sun or by overhead light.

## Project Tips:

- Add 10-50% concentration of pigment by weight to medium to achieve visible glow.
- Use clear non-water based paint. Pigments will shield and decrease the intensity of the glow and water will compromise the structure of the glow crystals.
- When mixing add medium slowly to powder to control the concentration.
- Choose a medium with high viscosity. Mediums with high viscosity hold the glow powder in suspension superiorly compared to thin mediums.
- Paint the undersurface white to facilitate the highest glow.
- Add additional layers to increase intensity of the glow.

## Caution:

Although our products are non-toxic, they will cause irritation if inhaled. We recommend wearing a dust mask and safety glasses when pouring and handling Core Glow powder and consulting the MSDS sheet provided on our website [coreglow.ca](http://coreglow.ca).