

Technical Data Sheet

<u>Product designation</u>	: Eli-Glow Photo-luminescent Pigment
<u>Product group</u>	: Inorganic pigments for visible effects.
<u>Main uses</u>	: for the creation of afterglow effects to thermoset polymer resins, coatings, decoupage and artwork sealing applications. Can be added to resins, pastes, plastics, glass, inks, dyes and certain paints.

Typical Chemical Properties

Composition	: Alkaline Earth Aluminate
Formula	: $\text{MeO} \cdot x\text{Al}_2\text{O}_3 \cdot y\text{SiO}_2$: Eu (Me=Ca、Mg、Sr、Ba; $x=1.2\text{—}2.0$, $y=0.005\text{—}0.5$). Insoluble in organic solvents

Typical physical properties

Appearance	: Pale white crystals
Specific gravity	: 3.6g/cm ³
Temperature resistance	: +200°C

Typical Luminescent Properties

Excitation	: UV radiation, white light (any visible light)
Excitation wavelength	: 200~450nm
Peak value	: 490nm
Glowing Colour	: Blue-Green
Brightness of afterglow	: >10 hours

Brightness Testing Report

Time (minutes) Brightness (mcd/m²)

0	3533
1	1640
5	589
10	319
20	158
30	102
40	73
50	57
60	46

Average Particle Size : (um) **40-65**

PLEASE NOTE: Pigment brightness from different production batches can differ slightly, however will still be in accordance with our quality standard.