

Product Data Sheet 50105 Lumilux® Green SN-F5

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Main use Long afterglow products according to DIN 67510 part 4
 Useable for Solvent-based paints and inks, thermoplastics, thermosetting plastics

Typical chemical properties

Composition alkaline earth aluminate
 Insoluble in alkalies, organic solvents
 Decomposition by water, acids

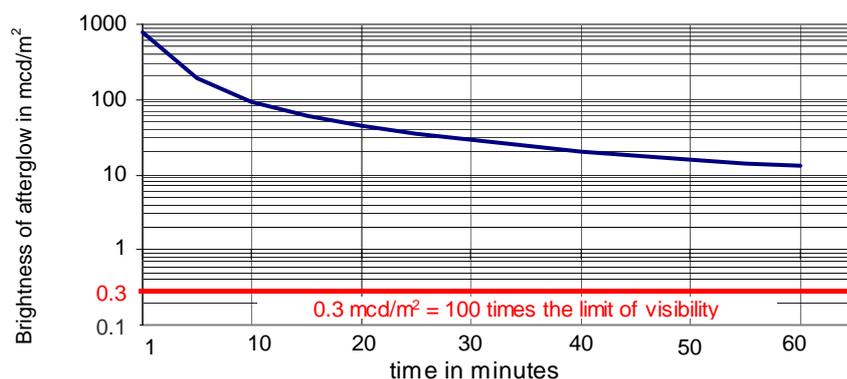
Typical physical properties

Appearance off white powder
 Specific gravity 3.4 g/cm³
 Particle size distribution d₅₀ = max. 6 µm as determined by COULTER Lasersizer 230
 Screen analysis max. 0.1 % oversized particles on 80 µm testing screen

Typical luminescent properties

Excitation white light, UV radiation
 Color of fluorescence yellowish green
 Color of phosphorescence yellowish green
 Reference criterion to DIN 67510, part 1 min. 90/12-1300-W-K

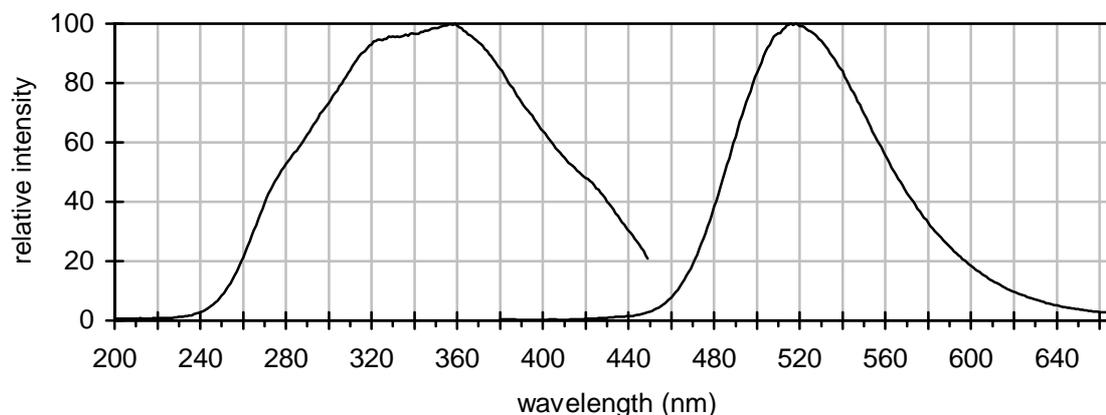
Typical decay curve



Typical intensity of afterglow according to the German norm DIN 67510-1:
 Photoluminescent pigments and products - Part 1:
 Measurement and marking at the producer

after 5 minutes	180 mcd/m ²
after 10 minutes	90 mcd/m ²
after 60 minutes	12 mcd/m ²
after 120 minutes	5 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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