

Product Data Sheet 50085 Lumilux® Green N2

www.honeywell-lumilux.com

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

Typical chemical properties

Composition	ZnS:Cu
Insoluble in	water, alkalies, organic solvents
Decomposition by	acids
pH-value of a waterbased slurry	min. 11

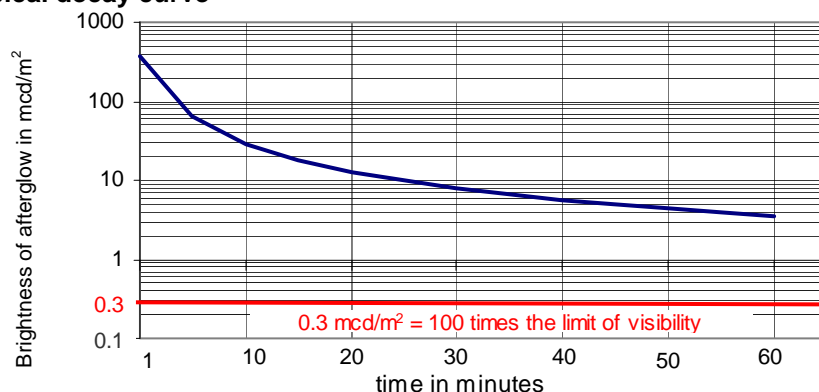
Typical physical properties

Appearance	yellow-green powder
Specific gravity	4.1 g/cm ³
Particle size distribution	d ₅₀ < 46 µm as determined by COULTER Lasersizer 230
Screen analysis	max. 1 % oversized particles on 125 µm testing screen

Typical luminescent properties

Excitation	White light, UV radiation
Color of fluorescence	yellow-green
Color of phosphorescence	green
Reference criterion to DIN 67510, part 1	min. 27.5/3.3-420-W-K

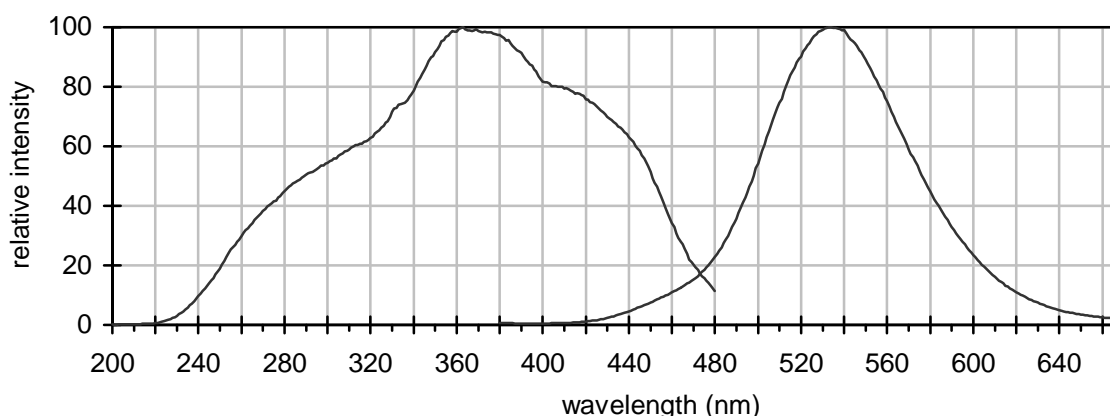
Typical decay curve



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 2 minutes	180 mcd/m ²
after 5 minutes	62.4 mcd/m ²
after 10 minutes	28.4 mcd/m ²
after 60 minutes	3.4 mcd/m ²
after 120 minutes	1.5 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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