

## Product Data Sheet 50081 Lumilux<sup>®</sup> Effect Green N-F

[www.honeywell-lumilux.com](http://www.honeywell-lumilux.com)

Main use Afterglow plastic sheets, silk screen printing inks, injection moulding  
 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

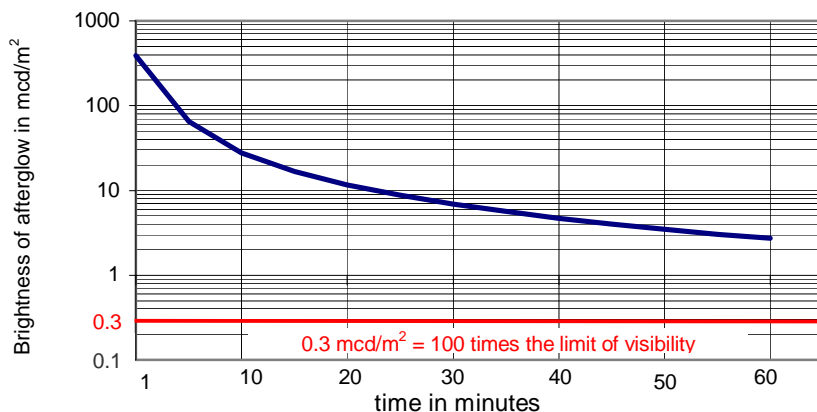
### Typical physical properties

Appearance	yellow-green powder
Specific gravity	4.1 g/cm <sup>3</sup>
Particle size distribution	d <sub>50</sub> < 38 µm as determined by COULTER Lasersizer 230
Screen analysis	max. 0.5 % oversized particles on 100 µm testing screen

### Typical luminescent properties

Excitation	white light, UV radiation
Color of fluorescence	green
Color of phosphorescence	green

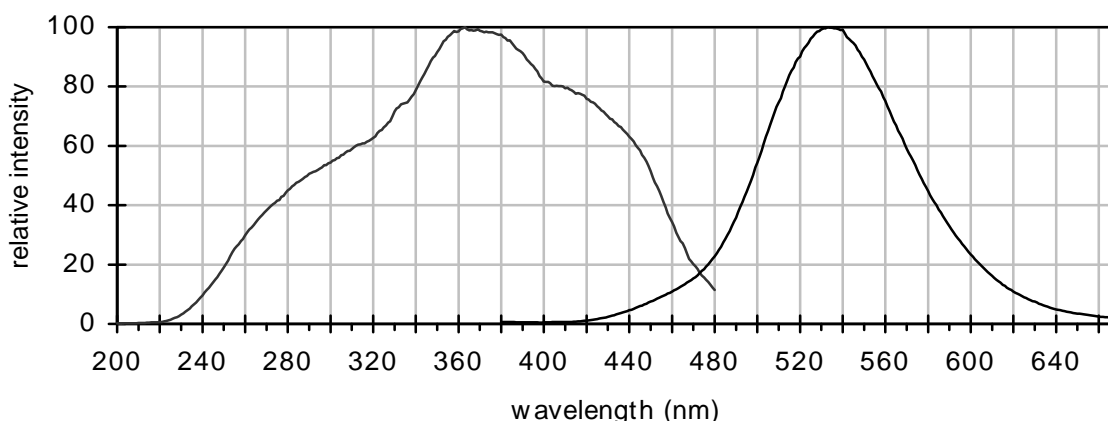
### Typical decay curve



**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	185 mcd/m <sup>2</sup>
after 5 minutes	64 mcd/m <sup>2</sup>
after 10 minutes	27 mcd/m <sup>2</sup>
after 30 minutes	6.8 mcd/m <sup>2</sup>
after 60 minutes	2.7 mcd/m <sup>2</sup>

### Typical excitation (left) and phosphorescence (right) spectra



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