

## Product Data Sheet

### 50060 Lumilux<sup>®</sup> Effect Green N-FG

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Main use Afterglow plastic sheets, silk screen printing paints, 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

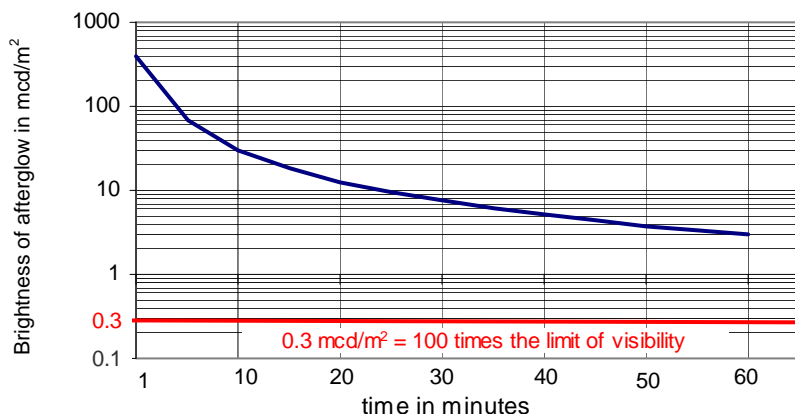
#### Typical physical properties

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

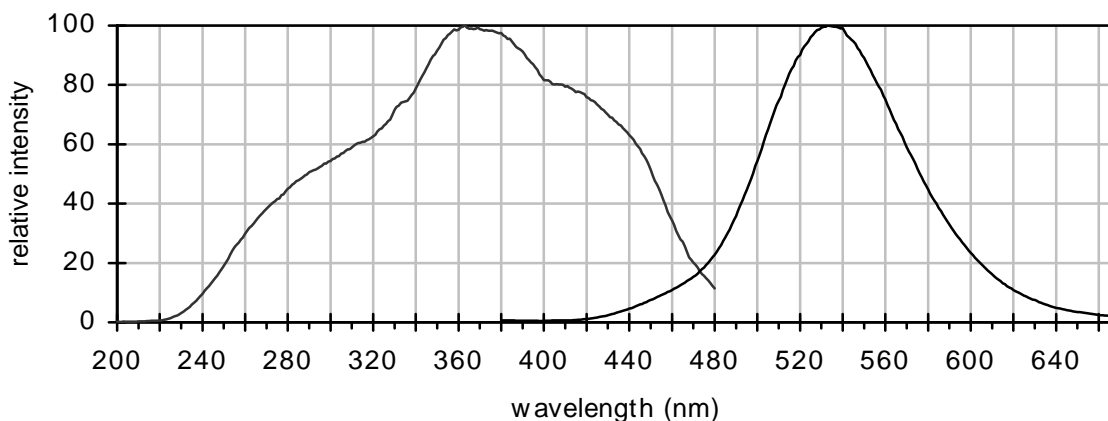


#### Typical intensity of afterglow according to the German norm DIN 67510-1:

Photoluminescent pigments and products - Part 1:  
 Measurement and marking at the producer

after 2 minutes	190 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	7.4 mcd/m <sup>2</sup>
after 60 minutes	2.9 mcd/m <sup>2</sup>

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



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