

56500 Phosphorescent Pigment Green

Phosphorescent pigments are commonly used afterglow pigments. They continue to emit yellow-green light in dark conditions after being charged by exposure to daylight, white lamplight or UV radiation. They can be used in photo luminescent materials such as paints, surface coatings, ceramic tiles, coated glass, flexible or rigid plastics and enamelled materials.

Technical Data

Main use: Long afterglowing products according to DIN 67510 part 4

Typical chemical properties:

Composition: ZnS:Cu, Cl
 Insoluble in: Water, organic solvents
 Decomposition by: Strong acids

Typical physical properties:

Appearance: yellow-green powder
 Density: 4.08 g/cm³
 Average particle size: 23 ± 3 µm

Typical luminescent properties:

Color of fluorescence: yellowish green
 Color of phosphorescence: yellowish green
 Emission maximum: 527 nm ± 3

Phosphorescent properties (minimum values):

1 min.	10 min.	30 min	60 min.	0,32 mcd/m ²
359	28.0	7.3	2.6	310 min.

Tested according to DIN 67510, part 1

Excitation and Emission Spectrum:

