

# Electroluminescent Pigments



Référence : EL502, EL447, EL512, EL662

## Description

Arco iris® electroluminescent pigments are photoluminescent powders that are colorless or white in their inactive state. When activated, they become luminous and colorful. The pigments emit light when excited by an electric current. Electroluminescent pigments emit light when an electric current passes through them.

## Aspect

Phosphorescent pigments come in the form of an odorless and colorless powder.

## Colors emitted:

Turquoise	PEL-T-EL502
Blue	PEL-B-EL447
Green	PEL-V-EL512
White (*appears light red in daylight)	PEL-B-EL662

Colors and variants can be created by adding 1 to 3% fluorescent pigments.

## Quality

There are two types of electroluminescent pigments, with a standard grade and a superior grade. The pigments in the Arco Iris range are of superior quality, offering high luminance and a longer service life. The pigment's service life is 800-1000 hours.

## Technical data

### CHEMICAL COMPOSITION: ZNs

Ingredients	CAS No.	Contenu / Content (%)
ZINC SULFIDE	CAS 1314-98-3,	98-99%
COPPER	CAS 7440-50-8	1-2%
ALUMINIUM HYDROXIDE OXIDE	CAS: 24623-77-6	<0,1%

### PROPRIÉTÉS CHIMIQUES ET PHYSIQUES :

MELTING POINT: 450°C
GRANULOMETRY: 5-20µm
COMPATIBILITY: SOLVENT-BASED PHASE
APPROXIMATE DENSITY:
PH (% in water): 10

## Storage, stability, and resistance:

**Safety:** Our electroluminescent pigments are classified as non-hazardous.

**Storage:** The pigment must be stored in its closed container, protected from moisture. Storage in plastic containers is recommended.

*We do not guarantee the specific properties of the products or their compatibility for a particular mixing method or purpose. We recommend that each user test each product before putting it into production. We also recommend that the products be handled by trained technicians to ensure maximum safety.*