



**Introduction:**

The 8866 is a phosphorescent (glow in the dark) pigment. The average particle size is  $22 \pm 3 \mu\text{m}$ .

**It is the responsibility of the end user to pretest all substrates/materials with Norcote® products prior to use in production.**

**Material Description:**

Phosphorescent Pigment

**Physical Properties:**

**Appearance:**

Body color- Greenish White  
Afterglow color- Yellowish Green

**Chemical Composition:**

Zinc Sulfide; Copper Activated

**Emission Peak Wavelength:**

$530 \pm 3 \mu\text{m}$

**Afterglow Brightness:**

$\text{mcd/m}^2$

(Pigment in powder form is excited using a Xenon lamp @1000 lux for 5 minutes)

1 minute	$\geq 320$
10 minutes	$\geq 25$
60 minutes	$\geq 2.5$

Time to decrease the afterglow to  $0.3 \text{ mcd/m}^2 \geq 200$  minutes

**Mesh:**

Select a mesh count with openings large enough to allow the pigment to transfer through the screen. A mesh count of 305-380 threads per inch is suggested.

**Mixing:**

Norcote suggests adding the pigment into inks at 25-40 % by weight. This is a guideline and should be tested by the end user in their facility.

**Handling & Storage:**

Store closed container in a cool dry area. When handling or pouring wear protective clothing and respiratory protection. Avoid scattering into the air.

**Precautions:**

Avoid direct contact of pigment with skin and clothing. If contact occurs, wash affected area with warm soapy water and dry thoroughly. If eye contact occurs, irrigate the area with water for 15 minutes and consult a physician. For more specific information, refer to the relevant Material Safety Data Sheet.

This Technical Bulletin is intended to be used for informational purposes only, and is in no way intended to create any warranties or other obligations on behalf of Norcote. All warranties, terms and/or conditions for a particular product will be specified on the applicable invoice and are only valid upon the creation of a legally-binding contract.

**Testing**

Due to the inability of Norcote to anticipate or control the conditions under which the Products and information relating thereto will be used and/or stored, Norcote cannot guarantee the results obtained from using the Products. Any Suggested Uses are merely representative, and because the final product will depend on a number of specific factors, the end user should pretest all substrates with the Products prior to use in production.

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