

# TECHNICAL DATA SHEET

Date: 05.04.2018, Version: 3

**Range name :**

**SICURA Litho FLUO**

**Description :**

**SICURA Litho FLUO** is a UV series developed to match fluorescent Pantone shades.  
The series can also be used on presses equipped with Low Energy / H-UV (Iron-doped lamps) and LED UV dryers.  
Wet/wet or Wet/dry applications are possible.

**Application Fields / Market :**

All types of publication and packaging jobs needing Pantone® shades

**Product safety:**

This series is not suitable for: Food packaging, pharma or hygiene.

In case of food packaging application, please contact our technical department

For further information, please refer to **Siegwerk's Customer Guidance: Printing Inks for Food Packaging ("Know How")** on <https://www.siegwerk.com/en/our-responsibility/product-responsibility/customer-communications/food-packaging-safety.html>

**Substrates:**

Coated and uncoated papers  
Matt and semi-matt coated papers  
Boards

**Features - Performances:**

- ⇒ **ON THE PRESS SIDE**
  - Easy to use : very good stability and water / ink balance
  - Suitable for all dampening systems with or without alcohol
  - Excellent UV reactivity as well as with Low Energy /H-UV /LED UV dryers
  - High speed runnability
- ⇒ **ON THE PRINTING SIDE**
  - Good gloss level
  - Bright and vivid fluorescent shades
  - Very low lightfastness
  - Non suitable for laser or thermal overprinting
  - Good rub resistance
  - UV varnishing is not recommended

**Warning :**

- These UV inks are guaranteed for a period of 6 months after manufacture. Please check use by date indicated on the can.
- UV inks must be stored in a cool place
- Open containers must be kept away from light sources and be closed after usage.
- Please consult material safety data sheets (MSDS) for more information.

- Do not use for Toy application

#### Auxiliary printing additives :

When certain substrates or machine conditions imply adjustments of the ink properties, the additives should be chosen in function of this substrate and of the further processing of the printed matter.

| Role         | Designation      | Reference numbers | Proportions |
|--------------|------------------|-------------------|-------------|
| Reducer      | Reactive reducer | 81-470072-0       | 1 to 3 %    |
| Tack reducer | Anti-tack paste  | 81-470071-2       | 1 to 3 %    |
| Cure booster | Photoinitiator   | 71-470108-3       | 2 to 5 %    |

For Fountain additives and Cleaning products please contact our technical department.

#### Packing size:

✓ Plastic Tins 1 kg Packaging code 1180

#### The range :

| Colours      | Reference   | Corresponding Pantone® shade | Light fastness | Recommended application to get the best fluo aspect |
|--------------|-------------|------------------------------|----------------|---|
| Blue P801    | 71-110954-6 | 801                          | 1              | Applied with 1 unit                                 |
| Green P802   | 71-500379-4 | 802                          | 1              | Applied with 1 unit                                 |
| Yellow P803  | 71-300551-0 | 803                          | 1              | Applied with 2 units                                |
| Orange P804  | 71-700220-8 | 804                          | 1              | Applied with 2 units                                |
| Red P805     | 71-801084-6 | 805                          | 1              | Applied with 2 units                                |
| Pink P806    | 71-801085-3 | 806                          | 1              | Applied with 2 units                                |
| Magenta P807 | 71-801086-1 | 807                          | 1              | Applied with 1 unit                                 |

Please note that the above inks are not resistant to: solvent mixture, alcohols and alkali.

This information is based on our experience and on results obtained in the laboratory, using specific processes and types of application. In view of the diversity of substrates and printing conditions, this data is communicated for information purposes only and is provided without any warranty on our part and must be authenticated by industrial tests before the products are used. Improvements are being made to our products on an ongoing basis and we therefore reserve the right to modify their composition as well as the contents of our technical data sheets. We disclaim any liability for applications for which this ink series is not foreseen.