

# TECHNICAL DATA SHEET

Date: 30.11.2015, Version: 1

**Range name :**

**SICURA Litho Plast LO**

**Description :**

**SICURA Litho Plast LO** Low odour, is a free radical UV offset system especially developed to achieve both low odour and outstanding adhesion properties on a wide range of synthetic materials printed either in sheet fed or rotary offset presses.

**Application Fields / Market :**

**SICURA Litho Plast LO** is dedicated to any application requiring low odour level for example:

- Wrap around labels
- Sleeves
- Cosmetics, perfumes, spirits packaging

**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 paper and board, Metallized paper and board
- Primed aluminium foil, Primed metallized polyester, Aluminium
- Treated oriented polypropylene (e.g. Exxon 38LL247, Treofan GND 40...)
- Polyester, Polystyrene, PVC
- Tin plate prepared for metal decoration applications (White base coat or clear laquer)

It is advisable to always conduct adhesion tests prior to printing

**Features - Performances:**

- ⇒ **ON THE PRESS SIDE**
  - Very stable ink/water balance even during long runs
  - Compatible with all types of dampening systems with or without alcohol
  - High speed runnability > 10000 f/h and > 250 m/mn
- ⇒ **ON THE PRINTING SIDE**
  - Low odour
  - High colour strength
  - Minimum dot gain
  - Outstanding adhesion
  - Very good film flexibility for post-processing
  - Overprintable with UV varnishes

**Warning :**

- These UV inks are guaranteed for a period of 18 months after manufacture. Please check use by date indicated on the cans.
- UV inks must be stored in a cool place
- Open containers must be kept away from light sources and be closed after usage.



**The range :**

**• PROCESS INKS**

Colours	Reference numbers	IWS ( 1 )	Alcohol	Solvent	Alkali	UV Varnishing
Process Yellow	70-380154-8	5	5	5	5	Yes
Process magenta	70-880175-8	5	5	5	3	Yes
Process cyan	70-113275-5	8	5	5	5	Yes
Process black	70-980166-6	8	5	5	5	Yes
Deep black	71-980233-2	7	1	1	1	Yes

Process Yellow, Process magenta and Process Cyan can be used for mixing system, whereas using of Process, Deep and Blacks are not recommended

For Process colours series compliant with the ISO 2846-1:2006(E), please contact our technical department.

**• MIXING SYSTEM**

Colours	Reference numbers	IWS ( 1 )	Alcohol	Solvent	Alkali	UV Varnishing
Orange 021	71-710209-9	5	5	5	5	Yes
Warm red	71-880185-5	5	4	3	5	Yes
Fast warm red	71-880186-3	7	5	5	5	Yes
Red 032	71-880187-1	6	5	4	5	Yes
Fast rubine	71-880260-6	7	5	5	5	Yes
Fast rhodamine	71-880259-8	7	5	5	5	Yes
Violet	71-100815-1	7	5	5	5	Yes
Fast reflex blue	71-113334-8	7	5	5	5	Yes
Green	71-510536-7	8	5	5	5	Yes
Opaque white	71-013998-1	7	5	5	5	Yes
Transp. white	71-004038-7	/	5	5	5	Yes

( 1 ) These light fastness values refer to a solid tone printing. Light fastness decreases when colour strength is reduced or if colours are intermixed.

For missing colours, please refer to SICURA Litho Plast SP series.

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.