

TECHNICAL DATA SHEET

Date: 28.07.2016, Version: 4

Range name :

SICURA Litho Plast SP

Description :

SICURA Litho Plast SP is a low odour free radical UV series especially developed to achieve a very high polyvalence use on board and outstanding adhesion properties on a wide range of synthetic materials.

Application Fields / Market :

SICURA Litho Plast SP is suitable for every job requiring a low residual odour.

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 aluminum 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 lacquer) please read our "warning" chapter

It is advisable to always conduct adhesion tests prior to printing. Please consult our laboratory for new substrates not included in the above list.

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 SIZE**
 - Low residual odour
 - High colour strength
 - Minimum dot gain
 - Outstanding adhesion
 - Very good film flexibility for post-processing

- The inks mentioned below, have fulfilled the requirements for granting the test certificate FOGRA for UV operations :

Process yellow	70-380180-3
Process magenta	70-800731-5
Process cyan	70-113287-0
Process black	70-980214-4



The range :

• **PROCESS INKS**

Colours	Reference numbers	IWS (1)	Alcohol	Solvent	Alkali	UV Varnishing
Process Yellow *	70-380180-3	5	5	5	5	Yes
Process magenta	70-880134-5	5	5	5	3	Yes
Process magenta *	70-800731-5	5	5	4	3	Yes
Process cyan *	70-113287-0	8	5	5	5	Yes
Process black *	70-980214-4	8	5	5	5	Yes
Deep black	71-980253-0	7	1	1	1	Yes *
Intense black	71-980234-0	8	5	5	5	Yes*

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

*** For heavy solid only**

Standard process colours * of the SICURA Litho Plast SP series are meeting the specifications of the ISO 2846-1:2006(E); « Graphic technology – colour and transparency of inks sets for four-colour printing ».

• **MIXING SYSTEM**

Colours	Reference numbers	IWS (1)	Alcohol	Solvent	Alkali	UV Varnishing
Lemon yellow	71-380243-7	7	5	3	5	Yes
Fast yellow	71-380230-4	7	3	2	3	Yes
Warm yellow	71-380246-0	6	5	5	5	Yes
Orange 021	71-710206-5	5	5	5	5	Yes
Fast orange	71-710205-7	6	5	5	5	Yes
Warm red	71-880234-1	5	4	3	5	Yes
Fast warm red	71-880232-5	7	5	5	5	Yes
Red 032	71-880230-9	6	5	4	5	Yes
Fast rubine	71-880248-1	7	5	5	5	Yes
Fast rhodamine	71-880270-5	7	5	5	5	Yes
Purple	71-100813-6	7	5	5	5	Yes
Violet	71-100814-4	7	5	5	5	Yes
Blue 072	71-113399-1	7	5	5	5	Yes
Fast reflex blue	71-113401-5	7	5	5	5	Yes
Green	71-510507-8	8	5	5	5	Yes
Neutral black	71-980246-4	7	5	5	5	Yes
Opaque white	71-013993-2	7	5	5	5	Yes
Transp. White.	71-000291-6	/	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.

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.