



# TECHNICAL DATA SHEET

Date: 28.06.2019, Version: 5

<b>Range name :</b>
<b>SICURA Litho Metal</b>
<b>Description :</b>
<b>SICURA Litho Metal</b> , UV series of inks ready to use, designed for the production of metallic shades: offset, dry offset or typo. This series is 369 free but also free of EDB and EHA.
<b>Application Fields / Market :</b>
All types of publication and packaging jobs needing metallic shades
<b>Product safety:</b>
Food packaging, pharma, or hygiene: <b>NO</b> *
* If the printing processing conditions rule out the possibility of set-off in the reel or stack and the design of the final printed article ensures reliable functional barrier properties to migration then this range can be used for the above applications.
For further information, please refer to <b>Siegwerk’s Customer Guidance: Printing Inks for Food Packaging (“Know How”)</b> on <a href="https://www.siegwerk.com/en/our-responsibility/product-responsibility/customer-communications/food-packaging-safety.html">https://www.siegwerk.com/en/our-responsibility/product-responsibility/customer-communications/food-packaging-safety.html</a>
<b>Substrates:</b>
All papers and boards. SICURA Litho Metal offers top performances on a wide range of corona treated materials
It is advisable to always conduct adhesion tests prior to printing
<b>Features - Performances:</b>
⇒ <b><u>ON THE PRESS SIDE</u></b>
➤ Excellent stability and water / ink balance
➤ Suitable for all dampening systems with or without alcohol
➤ Excellent transfer quality
➤ High curing level
⇒ <b><u>ON THE PRINTING SIDE</u></b>
➤ High opacity level and high intensity
➤ Easily overprintable with UV or waterbased varnish
➤ High Gloss
➤ Over varnishing with UV or waterbased varnish is recommended to obtain a very good scratch resistance
<b>Warning :</b>
- These UV inks are guaranteed for a period of 12 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.
- Please consult material safety data sheets (MSDS) for more information.
- Do not use for Toy application



**Auxillary 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 à 3 %
Tack reducer	Anti-tack paste	81-470071-2	1 à 3 %
Cure booster	Photoinitiator	71-470108-3	2 à 5 %

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

**Packing size:**

✓ Black Plastic Tin                      1.0 kg                      Packaging code                      1821

**The range :**

Colours	Reference numbers	Light ( 1 )	Alcohol	Solvent	Alkali	Adhesion
Litho Gold PMS 871 / Litho Rich Gold	71-400068-4	7	2	5	2	++
Litho Gold PMS 872	71-400069-2	7	2	5	2	++
Litho Gold PMS 873 / Litho Rich Pale Gold	71-400070-0	7	2	5	2	++
Litho Gold PMS 874	71-400071-8	7	2	5	2	++
Litho Gold PMS 875 / Litho Pale Gold	71-400072-6	7	2	5	2	++
Litho Gold PMS 876	71-400074-2	7	2	5	2	++
Litho Silver PMS 877 / Litho Silver 0001	71-400080-9	7	2	5	2	++
Litho Silver Ultra Metal	71-400027-0	7	2	5	2	++
Litho Silver Non Leafing	71-400090-8	7	-	+	-	++

( 1 ) These light fastness values refer to a solid 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.