

# TECHNICAL DATA SHEET

Date: 31.03.2017, Version: 2

Range name :

## SICURA Litho Board

Description :

**SICURA Litho Board** is a low odour free radical UV offset process inks especially developed to achieve both an excellent printing quality of boards and very good adhesion properties on a wide range of synthetic materials printed either in sheet fed or rotary offset presses.

Application Fields / Market :

**SICURA Litho Board** is particularly destined to folding box board for house-hold, cosmetics, perfumes, spirits and other 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, polyester laminated metallized board

For whatever non-absorbent substrate, 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
  - Excellent adhesion on a wide range of substrates
  - 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.
- Please consult material safety data sheets (MSDS) for more information.
- For toy applications, please contact our technical department.

**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 à 3 %
Tack reducer	Anti-tack paste	71-470085-3	1 à 3 %
Cure booster	Photoinitiator	71-470062-2	1 à 3 %
Mixt cleaning product	Soluve 22	75-650144-1	Pure

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

**Packing size:**

✓	Vacuum Metallic Tins	2.5 kg	Packaging code	1200
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**The range :**

- **PROCESS INKS**

Colours	Reference numbers	IWS ( 1 )	Alcohol	Solvent	Alkali	UV Varnishing
Litho Board Process Yellow ISO 2846	70-300917-5	5	5	5	5	Yes
Litho Board Process Magenta ISO 2846	70-802042-5	5	5	5	3	Yes
Litho Board Process Cyan ISO 2846	70-120740-9	8	5	5	5	Yes
Litho Board Process Black ISO 2846	70-900723-1	8	5	5	3	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 spot colours or blending, 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.