



# TECHNICAL DATA SHEET

Date: 31.03.2017, Version: 2

**Range name:**

## SICURA ADDITIVES – For UV inks

**Description:**

SIEGWERK carries a wide range of additives capable of adapting UV inks to special printing conditions or substrates :

- Anti-tack paste : to reduce the tack of the inks,
- Catalyst : to improve UV drying,
- Active reducer.
- Hardener

Only use additives compatible with UV inks.

**Additives:**

<b>ANTITACK PASTE</b>	<b>Ref. 81-470071-2</b>
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- This paste allows the ink to be altered to suit fragile substrates, thus minimizing picking.
- It is compatible with UV varnishing.
- Do not use with Low migration UV inks, not suitable for food packaging, pharma or hygiene

Proportion : 1 to 3 %  
 Packing size : Tin 1 kg (Packaging code : 1180)

<b>PHOTOINITIATOR</b>	<b>Ref. 71-470108-3</b>
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- This catalyst is most often used in the presence of heavy film weight or high printing speeds.
- This is compatible with UV varnishing,
- It modifies the ink viscosity.
- Do not use with Low migration UV inks, not suitable for food packaging, pharma or hygiene.

Proportion : 2 to 5 %.  
 Packing size : Drum 1 L (Packaging code : 1270)

<b>REACTIVE DILUENT For plastic substrates</b>	<b>Ref. 71-470089-5</b>
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- This reducer adjusts the viscosity of the UV offset ink for plastic.
- It is compatible with overprint varnishes.
- When adding a large quantity of reducer to the ink, add catalyst to prevent poor drying.
- Do not use with Low migration UV inks, not suitable for food packaging, pharma or hygiene.

Proportion: 1 to 5 % maximum.  
 Packing size : Drum 5 l. (Packaging code : 2730)

<b>REACTIVE DILUENT For paper and board substrates</b>	<b>Ref. 81-470072-0</b>
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- This reducer adjusts the viscosity of the UV offset ink for paper and board.
- It is compatible with overprint varnishes.
- When adding a large quantity of reducer to the ink, add catalyst to prevent poor drying.
- Can be used with Low migration UV inks, suitable for food packaging, pharma or hygiene.

Proportion: 1 to 5 % maximum.  
 Packing size : Tin 1 kg (Packaging code : 1020)



<b>ANTIFRICTION PASTE</b>	<b>Ref. 81-470074-6</b>
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- This paste/wax increases slipping and rub resistance of prints.
- This additive is compatible with UV Flexo varnishing.
- Do not use with Low migration UV inks, not suitable for food packaging, pharma or hygiene.

Proportion: 1 to 3 %  
 Packing size: Tin 1 Kg (Packaging code : 1180)

<b>HARDENER</b>	<b>Ref. 81-470124-9</b>
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- Increases scratch resistance.
- This additive may impact significantly the slip level and hot stamping ability of the ink.
- The ability of UV Flexo varnishing, must be check before printing
- Do not use with Low migration UV inks, not suitable for food packaging, pharma or hygiene.

Proportion: 3 to 5 %  
 Packing size: Tin 2.5 kg (Packaging code: 1200)

<b>HARDENER</b>	<b>Ref. 71-470074-7 / 411-90</b>
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- Increases UV inks, UV primer or UV Flexo primer adhesion, 24 hours after printing.
- For IML application, this hardener improves water resistance 24 hours after printing.
- This additive is compatible with UV LM inks, primer and Flexo primer, suitable for food packaging, pharma or hygiene.
- Prints are compatible with UV Flexo varnishing
- Incorporated in inks or primer, the mix is stable during 8 hours.

Proportion: 3 to 4 %  
 Packing size: Tin 1 kg (Packaging code: 1020)

<b>WHITNESS AGENT</b>	<b>Ref. 71-470329-5</b>
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- This additive increases the whiteness of the UV whites
- Can be used with Low migration UV inks, suitable for food packaging, pharma or hygiene.

Proportion : 1 to 3 %  
 Packing size : Tin 1 kg. (Packaging code : 1180)

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. These products are only suitable for use on the non-food contact side of food packaging, provided they are applied under the relevant Good Manufacturing Practices (GMP) and according to the information in this Technical Data Sheet. The printer, converter and packer/filler have the legal responsibility to ensure that the finished article is fit for the intended purpose and that the ink and coating components do not migrate into the food at levels that exceed legal and industry requirements.