

# TECHNICAL DATA SHEET

Date: 31.03.2017, Version: 2

Range name:

## TEMPO ADDITIVES – For conventional offset inks and offset varnishes

### Description :

We present a line of SIEGWIRK products specially designed to adapt ink characteristics to specific printing circumstances.

**Note:** Our inks and varnishes have been designed user friendliness. If specific press conditions require the addition of additives, please keep to the suggested proportions, in order to maintain the ink's basic characteristics.

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| → Dryers and anti-dryers :      | enable to adjust drying time,  |
| → Anti-tack paste :             | enable to adjust tack to press conditions,                                     |
| → Pastes / waxes :              | enable to adjust rub resistance or slipping,                                   |
| → For inks with minimum odour : | please refer to specific additives<br>(TEMPO NUTRIPACK: technical data sheet). |

### Additives:

DRYER	Ref. 65-470105-1
→ This dryer is compatible with all ink and varnish formulations used in conventional sheet-fed offset (except "TEMPO NUTRIPACK" inks and other printing inks dedicated for food packaging), → Due to the metal salts it contains, this dryer provides outstanding performances. → Dryer 80 is compatible with UV lacquering. → Not suitable for food packaging, pharma or hygiene.	
Proportions : 1 to 3 % in the ink Colour : brown Packing size : 2 kg Can (Packaging code : 2300)	
ANTISKIN SPRAY	Ref. 61-470091-2
→ Anti-skin spray is compatible with all our conventional offset inks or oil-based varnishes and can be sprayed on cylinders or blankets. → It slows down the drying of ink onto the distribution system during shot down or standing time and facilitates start-up. → Anti-skin has no direct effect on drying capacities of inks, due to its volatility. → No need to use it with Tempo Nutripack inks, as these inks are not containing any dryer → Not suitable for food packaging, pharma or hygiene	
Packing size : 0.4 l Spray. Sales in box with 10 spray bottles (Packaging code : 0950)	
STARGEL	Ref. 61-470080-5
→ Stargel paste is generally used at start-up, and when specific conditions, such as temperature, change the ink's characteristics. → It reduces tack. → Can be used for prints to be over UV-varnished. → Is compliant with food packaging printing and so can be used with Tempo Nutripack inks → Suitable for food packaging, pharma or hygiene	
Proportions : 2 to 4% maximum Packing size : 2.5 Kg Drum (Packaging code : 1200)	



<b>THINNER</b>	<b>Ref. 61-470295-9</b>
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- Reduces ink or varnish viscosity.
- This thinner is made of vegetable oils and reduces viscosity without modifying the other ink characteristics.
- It is compatible with UV lacquering of prints.
- Not recommended with food packaging inks such as Tempo Nutripack inks
- Not suitable for food packaging, pharma or hygiene

Proportions : 3 % maximum  
 Packing size : 2 kg Drum (Packaging code: 2300)

<b>HARDENER</b>	<b>Ref. 61-470296-7</b>
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- Increases scratch resistance.
- Hardener ref. 8100 can be used for prints to be later UV-varnished.
- Is compliant with food packaging printing and so can be used with Tempo Nutripack inks
- Suitable for food packaging, pharma or hygiene

Proportions : 2 to 5 %  
 Packing size : 1 Kg Vacuum Metallic Tins (Packaging code : 1190)

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.