

# TECHNICAL DATA SHEET

Date: 31.03.2017, Version: 2

Range name :

## TEMPO FINISH

Description :

TEMPO FINISH overprinting oil based varnishes are intended to provide gloss, matt or satin effect and rub resistance when necessary for the printing of folding boxes, labels, covers, commercial printing, etc....

All TEMPO FINISH varnishes of the attached list are vegetable based and free of mineral oil and cobalt salt.

Product safety:

This series is not suitable for: Food packaging, pharma or hygiene.

For production of primary food packaging, we recommend to use the low odour and low migration series specially developed for this application: TEMPO NUTRIPACK 2, 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 papers.

All kinds of board (except metalized and PE coated ones)

Features - Performances:



### ON THE PRESS SIDE

- Suitable for wet on wet or wet on dry application
- As a general rule, a coating of 1 to 3 g/m2 is recommended
- Dry very quickly, avoiding pile blocking or sett-off



### ON THE PRINTING SIDE

- Good final estetic properties: gloss, matt or satin
- Good Rub resistance
- Not hot stampable and not glueable
- For the production of primary food packaging, we recommend to use the low odour and low migration overprinting varnishes specially developed for this application: TEMPO NUTRIPACK VARNISH.  
(See TDS of Tempo Nutripack 2)

Warning:

-The use of an IR drier or warm air will improve the setting and the gloss but it is recommended to respect 30°C maximum in the stack.

- If it is necessary to modify tack or viscosity, please consult our technical department.

- Accurate settings of wetting conditions are required in order to optimize the drying, and therefore gloss and brightness of the printing.

- These inks have a shelf life of 2 years from the date of production. This has to be interpreted as a warranty of "the best use" concerning the printing properties of the inks, providing the cans are not opened and stored at room temperature. After this date the inks are still usable on the press but their printing properties could eventually be altered in terms of transfer, trapping, optical density and to a certain extend in term of shade by consequence of the transfer.

**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	References numbers	Proportions
Thinner	Vegetable diluent	65-003818-5	1 to 3 %
Tack reducer	Stargel Nutripack	61-470080-5	2 to 4%
Dryer	Dryer compound	65-470088-9	0.5% to 1%

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 :**

Description	Reference number	Main characteristics	Wet on wet	Wet on dry
High gloss	65-603991-4	<ul style="list-style-type: none"> <li>- Excellent gloss level</li> <li>- Good rub resistance</li> <li>- Deep freezing ability</li> </ul>	<b>X</b>	<b>X</b>
Semi-matt (satin)	65-603992-2	<ul style="list-style-type: none"> <li>- Very interesting silky aspect</li> <li>- Low tack and excellent press stability</li> <li>- Quick setting</li> </ul>	<b>X</b>	<b>X</b>
Matt	65-604051-6	<ul style="list-style-type: none"> <li>- Superb matt result</li> <li>- Good transfer</li> <li>- Low yellowing</li> </ul>	<b>X</b>	<b>X</b>
Quick-set gloss	65-604050-8	<ul style="list-style-type: none"> <li>- The best compromise gloss/setting speed</li> <li>- Excellent rub resistance</li> <li>- Low tack</li> </ul>	<b>X</b>	<b>X</b>

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.