



# Technical Information

Issue: October 2015

## Product Name

**85-600579-8** Nutriscreen Relief varnish E01

## 1. Description / Application

A colourless, tactile relief print is formed by printing a very thick varnish layer e.g. for raised prints.  
**Suitable for Flat and Rotary Screen printing.**

## 2. Product Safety

### Intended Use

Food packaging, pharma, or hygiene: **YES**

### Only for food packaging inks

These inks are only suitable for use on the non-food-contact side of food packaging, provided that they are applied using the relevant Good Manufacturing Practices (a system for ensuring that products are consistently produced and controlled according to quality standards) and according to the guidelines in this Technical Data Sheet.

The printer, converter and the packer/filler each have a responsibility to ensure that the finished - printed - article is fit for the intended purpose(s) and that the ink and coating components do not migrate into the food at levels that exceed legal, regulatory and industry defined requirements.

Please refer to Siegwerk's "Statement of Composition" for further regulatory information.

In case of specific applications, please contact your technical application service.

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> in particular chapter 5. "The printer's selection of ink" has to be observed.

## 3. Properties / Substrates

### Substrates

Corona treated PE and PP, primered substrates.

Preliminary adhesion tests are recommended.

## 4. Printing and processing instructions

### Printing

Flatbed printing: The varnish is ready to print.

Rotary screen printing: The varnish is ready to print.

### **IMPORTANT:**

Before using, acclimatize and stir well because of viscosity. The varnish gets more moldable / thinner by movement + temperature increase.



Screen recommendation

Flat: 24 T / 36 T

Rotary: Screeny BZ, RM 75

Coatings

Flat: 150 - 200 µm capillary film

Rotative: Standard coating

Curing

Suitable for curing the ink are medium pressure mercury vapour UV emitters with a power of at least 140 - 160 W/cm.

In case of doubt, please contact in time our technical department.

Guidelines for use

*Before the print job is started, new materials must be checked for compatibility with the planned overprinting varnish/inks combination, even if their suitability on a comparable type of the same substrate group is proved.*

*The test prints, especially on self-adhesive labels, have to be examined after die-punching (in particular at the edges) for adhesion, resistance to scratching and water (resistance to wet scratching and scuffing), resistance to the packaging contents and other job-specific requirements.*

*Due to possible different material shrinkage and other alterations, these examinations must be repeated after one day.*

*Consequently, for every new job in which printing is done on a known material, but with untested ink and printing combinations, the aforementioned tests have to be carried out as well.*

Please see also the information on the material safety datasheet.

Cleaning

The varnish can be removed from tools by using methoxypropanol.

**5. Shelf life**

This varnish has under normal conditions a shelf life of **at least 12 months**. Within this time, the product is usable in conformity with the indications of this data sheet.

Normal conditions mean:

- Storage in firmly closed, not yet tapped containers.
- Temperatures not exceeding 20°C for weeks or 25°C for days.
- Do not expose open containers to direct sunlight or strong light sources.

Because of the differences in materials for printing, processing conditions and test criteria this Technical Information can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Your own tests with the original materials under the respective conditions are indispensable. We disclaim any liability for applications for which this product is not foreseen.