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# Norilit<sup>®</sup> 100 OXY

Screen Printing Ink and Pad Printing Ink

**Area of Application** Norilit<sup>®</sup> 100 OXY is an alkyd resin ink for printing on wooden materials, paper, paperboard, metals, wood fibre panels, various plastics, coated substrates, cellulose iv pretreated polyester and polyolefines.

**Finish** High gloss finish

**Color Shades** **Basic Colors for the Pröll's Matching System**

|     |                 |     |                   |
|-----|-----------------|-----|-------------------|
| 093 | Colorless       | 467 | Pink Transparent  |
| 102 | Citron          | 472 | Violet            |
| 104 | Yellow          | 566 | Blue Transparent  |
| 207 | Orange          | 669 | Green Transparent |
| 312 | Red             | 941 | Blending White    |
| 368 | Red Transparent | 951 | Blending Black    |
| 429 | Red Violet      |     |                   |

**Standard Colors**

|     |              |     |             |
|-----|--------------|-----|-------------|
| 101 | Yellow Light | 523 | Blue Dark   |
| 209 | Orange       | 615 | Green Dark  |
| 310 | Red Medium   | 627 | Green Loud  |
| 314 | Red Dark     | 628 | Green Light |
| 417 | Violet       | 836 | Brown       |
| 520 | Ultra Blue   | 945 | White       |
| 521 | Blue Medium  | 948 | Black       |
| 522 | Marine Blue  |     |             |

**Weather Resistance**

Norilit® 100 OXY shows good weather resistance. To ensure outdoor durability, we recommend a mesh of 77 threads/cm (195 threads/inch).

**Thinning**

Screen Printing: Thinner 190 (medium)  
Retarder 197 (slow)  
Quantity: approx. 10 – 15 %

Pad Printing: Spray Thinner 195 (fast)  
Thinner 190 (medium)  
Retarder 197 (slow)  
Quantity: approx. 25 %

**Drying**

Norilit® 100 OXY dries by oxidation. When air-dried at approx. 20 °C (68 °F), Norilit® 100 OXY shows the following characteristics:  
touch dry in approx. 4 – 6 hours,  
completely dry in approx. 12 hours.

Norilit® 100 OXY can be exposed to drying temperatures of up to 80 °C (176 °F) without yellowing.

Forced drying at 80 °C (176 °F): touch dry in approx. 1 hour.

**Other Directions for Processing**

Printed glass must be protected from condensation.

When printing on plastic films, coated substrates or thermosets, preliminary tests are essential.

For applications with a roller or brush, Retarder 197 is recommended for adjusting the required viscosity. For spraying, Spray Thinner 195 should be used.

**Fabrics**

Depending on application, fabrics from 77-55 to 150-34 threads/cm (195-55 to 380-34 threads/inch) are recommended.

**Stencil**

Solvent resistant emulsions must be used. Excellent results during long production runs are achieved by using Pröll emulsion Norikop 2 FP.

**Cleaning**

Screens and utensils can be cleaned with UNI-REIN A III.

**Shelf Life**

Allow the ink as well as all the auxiliaries to be added to adjust to room temperature in the closed container before use.

The shelf life stated on the label assures the ink's quality and refers to unopened original cans stored in a dry place at temperatures between 5 °C (40 °F) and 25 °C (75 °F).

**Important**

Printing results, to a large extent, depend on the substrate as well as the printing and application conditions. We recommend checking your printing materials under your conditions of use before performing any production runs. Materials that are supposed to be identical may vary from manufacturer to manufacturer and even from batch to batch. Some substrates may have been treated with or contain sliding agents, antistatics or other additives which may impair the adhesion of the inks.

Any contact of the ink film with materials containing softening agents must be avoided.

In general please refer to our technical leaflet "General Information on Screen Printing Inks" which may be downloaded from our website [www.proell.de](http://www.proell.de), click Download ⇒ Screen Printing Inks ⇒ General information on screen printing inks.

**Norilit® 100 OXY does not contain any pigments based on toxic heavy metals (DIN EN 71, part 3).**

This is a test product which is still in development. For this reason, no assurances are currently given as to type conformity, processability or long-term performance characteristics. Therefore, the customer uses the product entirely at his own risk with no guarantee.

The information contained in the technical information/instruction sheets or other product information sheets is based on product testing conducted by Pröll. Because printing and environmental factors critically affect each individual ink application, the above mentioned information and instructions represent only general recommendations concerning product characteristics and directions for use and should not be construed as representing express warranties regarding the product. The information and instructions in no way release the purchaser from his obligation to verify and test the inks and their application for the specific request, regarding: product characteristics, weather resistance, mixing proportions, gloss, thinning, special mixtures, printability, drying speed, cleaning, effects on or of other materials to be contacted and safety precautions. All details contained in the instruction sheet "General Information on Screen Printing Inks" are to be considered. The further manufacture and use of products containing our inks by the purchaser takes place beyond our control, and the responsibility for further application and use of our product resides solely with the purchaser. Pröll disclaims any warranties, express or implied.

This information supersedes all previous technical information.