



NoriPUR[®] 132, 232, 332, 532, 632

Highly Opaque Color Shades for Pad Printing

The color shades	132 Yellow Opaque
	232 Orange Opaque
	332 Red Opaque
	532 Blue Opaque
	632 Green Opaque

can be processed as one or two-component inks.

The mixing ratio with Hardener 001 or Hardener 002 is 9 : 1.

Hardener 002 offers the advantage of a longer pot life (approx. 6 – 8 hours). The addition of hardener improves the resistance, especially to temperature, chemicals and water or water vapor. Furthermore, the gloss is increased by the hardener.

The range of the above-mentioned highly opaque colors is completed by White Opaque 944. Here, the mixing ratio with Hardener 001 or Hardener 002 is 100 : 8.

The NoriPUR[®] basic colors as well as special color 770 and the highly opaque formulations for pad printing have been tested according to the toy standard (DIN EN 71, part 3:2013). The results measured (TÜV Rheinland LGA Products GmbH) were significantly lower than the given limits (migration of certain elements, category 3).

Thinning

Thinner F 001 (very fast)
Thinner F 002 (fast)
Thinner M 202 (medium)
Thinner M 203 (slow)
Thinner S 402 (very slow)

Quantity: approx. 20 – 25 %

Weather Resistance

As a result of the high pigmentation, the highly opaque color shades are not recommended for long-term outdoor use. As their properties may differ from those of the basic- and standard colors (e.g. printing behavior, resistance, adhesion), the suitability for the intended application must be tested.

Further Information on Resistance Properties

Please note that the substrates used may considerably influence the resistances achieved. For this reason, results attained on a certain substrate do not generally apply to other substrates.

Shelf Life

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).

Shelf life of Hardener 001 and Hardener 002 is 6 months.

Opened containers of hardener must be tightly closed immediately after use as the hardener reacts with moisture in the air.

Important

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

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 prior to 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 can contain sliding agents, antistatics or other additives which will impair the adhesion of the inks.

In general please refer to our technical leaflet "General Information on Screen Printing Inks" which may be downloaded from our website www.proell.de, click Downloads ⇒ Solvent-Based Screen Printing Inks.

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.