



# ZK-Ink

## (ZK-Two-Component Ink)

Screen Printing Ink

### Area of Application and General Characteristics

**ZK-Ink to print on pre-treated polyolefins, metal, glass, wood, thermosets, paper and cardboard. Main use is printing on packing materials made of pre-treated polyolefins.**

**ZK-Ink is used to achieve high resistance to aggressive media and to mechanical stress. Therefore, it is also used for printing on bottle crates as well as on plastic containers for chemicals and cosmetics.**

### Finish

High gloss finish. However, it should be considered that the surface structure of the substrate can decisively influence the finish of the ink film.

### Color Shades

<b>Basic Colors</b>	093 Colorless	429 Red Violet	669 Green Transparent
	102 Citron	467 Pink Transparent	941 Blending White
	312 Red	472 Violet	951 Blending Black
	368 Red Transparent	566 Blue Transparent	
<b>Special Colors</b>	171 Yellow Transparent	945 White	
	770 Silver (limited resistance to alcohol)	862 Black (bluish, not opaque)	

### Mixing Ratio with Hardener

ZK-Ink is mixed with ZK-Hardener prior to thinning. For Basic and Standard Colors, the mix ratio is 100 : 20 parts by weight:

1 mass unit of ink (700 g) : 1 mass unit of Hardener 032 (140 g)

or

1 mass unit of ink (700 g) : 1 mass unit of Glass Hardener 034 (140 g)

Exception: For ZK-Ink 944 the mix ratio is 100 : 15.

1 mass unit of ink (930 g) : 1 mass unit of Hardener 032 (140 g)

or

1 mass unit of ink (930 g) : 1 mass unit of Glass Hardener 034 (140 g)

In case of special colors, differing additions are noted on the label.

In any case, the compounds should be stirred thoroughly in order to achieve a homogeneous mixture. Supply in user-friendly mass units makes it possible to mix ink, hardener and thinner in the can. In any case, the mixture has to be stirred thoroughly, to ensure homogeneous distribution of the components.

### Metallic Colors

Occasionally, mixtures of ZK-Ink 093 and bronze pastes may have a short shelf life or may not be storable for longer periods of time. Therefore, just the required quantity for the particular print run should be mixed.



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### Important

Allow the ink as well as all the auxiliaries to be added to adjust to room 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](http://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.

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