


Technical Product Information			
ROTOVARIO 530 Series			
Article-No.: 072318... 026462... 023561...		Product Name: ROTOVARIO 530 080 Silver ROTOVARIO 530 107 ROTOVARIO 530 809	
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### Product description:

The ROTOVARIO 530 series are resin-free non-leafing Silverdollar aluminium pigment dispersion, pasted in ethyl acetate.

Product type: 530 080	Non-leafing Aluminium Pigment
Product type: 530 107 530 809	Very fine non-leafing Aluminium Pigment
Supply form	Paste, resin free
Solvent	Ethyl Acetate
Pigment type	Silver dollar

This product has not been especially developed for the formulation of inks for the production of packaging for food, beverages and tobacco. Due to our production processes for these products, we cannot guarantee necessary measures for FCM (Food Contact Materials), such as special raw material selection, control of raw materials and end products regarding composition and impurities or production according to GMP.

A SoC is therefore not available for these products.

When using these products in indirect food contact, the suitability for this application has to be tested before commercial use by the user through suitable analyses

### Application:

General application scope	Solvent based inks
Applications	Gravure printing
	Flexographic printing
	screen printing
Substrates	Paper and board
	films
Suitability	Fine motives, lettering, details
	Polychromatic effects with toners

As with all metallic inks the substrate has an influence on the final result. Very absorbent or uneven substrates often cause poor pigment orientation resulting in inferior brilliance. In some cases, the use of primers to improve the substrate surface is advantageous.

### Product properties:

#### Rub resistance and lamination properties:

ROTOVARIO 530 is based on non-leafing pigments, suitable for the formulation of rub resistant inks. In each respective case, special tests are necessary because of the multiple factors influencing the final result.

Optimum color consistency in polychromatic colors.

To formulate inks with optimized rub resistance and lamination properties the ROTOVARIO 501 series is recommended.

### Optical product properties:

ROTOVARIO	Brilliance	Coverage	Silver shade
530 080	*****	***	bright
530 107	***	*****	whitish
530 809	****	*****	chrome

#### Additional product properties:

ROTOVARIO	Pigment size (D <sub>50</sub> )*	Pigment content*	Solid content*	Ethyl Acetate*
530 080	10 µm	60 %	60 %	40 %
530 107	7,5 µm	70 %	75 %	25 %
530 809	9 µm	60 %	60 %	40 %

For specifications of our products, please refer to the technical data sheet.

\*) approximately values

### Handling:

The concentrate can be stirred directly into a solvent based binder system by using low shear stress aggregates.

Metallic inks tend to settle because of the high specific gravity of the pigment. This is normal and not due to a lack of quality. The inks can be easily stirred up and homogenised again. This should be done before viscosity is checked. No pigment settling should be left on the bottom of the container.

Please refer to the Safety Data sheet of ROTOVARIO 530 products for further handling guidelines.

### Guiding formulations:

These suggested starting formulations are examples intended for general guidance only and do not represent the optimum result for any specific application.

#### Flexo printing ink with PVB binder


ROTOVARIO 530 809	15 %
Ethanol	37 %
PVB resin	18 %
Σ	100 %

Homogenize the ROTOVARIO in solvent, add PVB resin solution and stir. The viscosity should be around 20 - 25 seconds DIN4 cup. Then adjust to print viscosity.

#### Gravure printing ink with NC binder for absorbent substrates

ROTOVARIO 530 080	35 %
NC wool	17 %
SAIB	5 %
Ethanol	24 %
Ethyl Acetate	18 %
Wax dispersion	1 %
Σ	100 %

First dilute the NC wool in solvent.

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Homogenize the ROTOVARIO in solvent, add NC resin solution and stir. The viscosity should be around 16 - 22 seconds DIN4 cup.

#### Storage and transportation:

All ROTOVARIO types should be stored at temperatures below 25°C. High temperatures as well as very low temperatures should be avoided as these conditions could damage the product.

Keep drums tightly sealed when not in use and avoid unnecessary opening. Solvent might evaporate. A drying of the paste will result in non-dispersible agglomerates.

**Shelf life:** 12 months

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