# **Technical Product Information**

## **ROTOVARIO 560 series**

Article-No.:

071428..

C ECKART

Product Name: 560 103 Silver

 Revision: 4
 Edition: August 2021
 Ident-No.: 00117.E
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## **Product description:**

ROTOVARIO 560 103 based on leafing aluminium pigments, pasted with *iso*-propanol.

This product is 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 this product, 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 this product.

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

## **Application:**

ROTOVARIO 560 pigment paste is suitable to formulate solvent based gravure, flexo and screen printing inks.

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 560 103 based on leafing pigments. Compared with corresponding non-leafing products ROTOVARIO 560 have tendencies to reduced rub resistance as well as to reduced lamination properties. This tendency might be influenced further due to an inadequate binder system.

#### Additional product properties:

ROTOVARIO	560 103	
Pigment content	ca. 75 %	
Solid content	ca. 75 %	
Pigment size (D <sub>50</sub> )	ment size (D₅) ca. 10 μm	
Isopropanol	ca. 25 %	
Brilliance	* *	
Hiding Power	*	

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

### Handling:

The ROTOVARIO types are pigment concentrates optimised for high metallic effects. The concentrates 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 560 series for further handling guidelines.

## **Guiding formulations:**

This suggested starting formulation is an example intended for general guidance only and do not represent the optimum result for any specific application.

Printing ink with PVB binder

ROTOVARIO 560 103		25 %
Solvent (e.g. acetate)		15 %
PVB binder (e.g. ~30% resin in alcohol)		60 %
:	Σ	100 %

Homogenize the ROTOVARIO in solvent, add PVB resin solution and stir. The viscosity should be 25 - 30 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.

Shelf life:

12 months

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