			C ECKART	
			Product Name: ROTOSTAR UV FX 68-41002 Shrink Silver	
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<ul> <li>Product description:</li> <li>ROTOSTAR UV FX 68-41002 Shrink Silver is a radical curing, solvent-free, stable one-component UV-Flexo ink for shrinkable films based on aluminium pigments.</li> <li>ROTOSTAR UV FX-68 silver offers a very high metallic effect by minimal ghosting or dulling when shrunk.</li> <li>The radiation curing (UV light) ink ROTOSTAR UV FX 68-41002 Shrink Silver may release odour-generating by-products during the drying process and is neither low-migration nor low-odour. 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.</li> <li>A SoC is therefore not available for this product.</li> <li>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.</li> </ul>		<ul> <li>A backing ink (white or clear coating) is recommended for adequate rub and scratch resistance.</li> <li>Adhesion:</li> <li>ROTOSTAR UV FX 68-41002 Shrink Silver shows good adhesion on PETG, OPS and PVC. Corona treatment is recommended.</li> <li>The maximum adhesion takes effect after around 24 hours. Tests are necessary prior to any commercial use.</li> <li>Organoleptic Properties (Taint and Odour):</li> <li>ROTOSTAR UV FX 68-41002 Shrink Silver has been designed for use on secondary food packaging and packaging where a functional barrier exists between the primary packaging and the product.</li> <li>In all cases the printed material / package should be tested to ensure that the organoleptic properties satisfy the packaging specification.</li> </ul>		
print (second surface) flexo sleeve labelling. Over lacque recommended to avoid rub shrinkage and to preserve the The following chart shows to ROTOSTAR UV FX 68-410 to a solvent based one (Plat	he change of colour vs. shrinkage for 02 compared to a standard UV ink & tinStar GX 2901): DSTAR UV FX 68-41002 Shrink Silver	for us low m Pleas secor barrie In all ensur speci	DSTAR UV FX 68-410 e on primary food pa higration is an essentia e note, that FX 68-4 hdary food packaging or exists between the p cases the printed ma	1002 Shrink Silver can be used for g and packaging where a functiona primary packaging and the product. aterial / package should be tested to n properties satisfy the packaging
Change O	f Color During Shrinkage	RO	TOSTAR UV	FX 68-41002 Shrink Silver
40.0%		Pig	ment content	approx. 8.0 %
35.0%		Pig	ment size (D <sub>50</sub> )	approx. 8 µm
0000 0 0000 0 0000 0 0000 0 0000 0 0000 0		For s	Solvent content         approx.< 1%           For specifications of our products, please refer to the technic data sheet.	
5.0%	30 40 50 60 Percent shrinkage DStar UV FX 68-41002 PlatinStar GX 2901(solvent based)	Reco	ommended printin x configuration:	<b>g parameters:</b> ons, low ink film is recommended. The

## **Product properties:**

## Curing speed:

ROTOSTAR UV FX 68-41002 Shrink Silver shows good and fast curing on many substrates, with using a UV-lamp capacity of 160 Watt/cm and printing speeds up to 90 m/min.

## Rub resistance:

Printing speed:

Full areas &

coarse lines

Fine lines

shrinkage.

higher the ink film, the more change in colour will occur during

L/inch

200-300

360-440

Volume

cm<sup>3</sup>/m<sup>2</sup>

9.3-12.4

7.7-10.8

Volume

всм

6.0-8.0

5.0-7.0

The following configurations have shown to be useful:

L/cm

80-120

140-170

Technical Product Information			C ECKART	
ROTOS	STAR UV FX-41002 Shrink Silver			
<b>Article-No.:</b> 053145		Product Name: ROTOSTAR UV FX 68-41002 Shrink Silver		
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	np capacity and 9 cm <sup>3</sup> /m <sup>2</sup> Anilox volume a m/min can be achieved. Dependent on peed varies.			
Printing viscosity:				
ROTOSTAR UV FX 68	is supplied with print viscosity.			
Dilution:				
recommended to add i	adjusted to printing viscosity. It's not reactive diluents as a negative impact on on optical appearance, curing speed and occur.			
Cleaning recomme	ndations:			
cleaning agents. Also	an be cleaned by using conventional UV- with esters or ester/alcohol mixtures the moved easily from the cylinders.			
Please refer to the saf given there.	ety data sheet and the safety guidelines			
Handling:				
can be printed with components should onl	e stable, brilliant one-component inks that out modification. Blending with other y be done on ECKART's recommendation ible decrease in quality.			
the pigment. This is no inks can be easily stirre	ttle because of the high specific gravity of rmal and not due to a lack of quality. The d up and homogenised again. This should ty is checked. No pigment settling should the container.			
When handling UV inks the safety guidelines give	please refer to the safety data sheet and ven there.			
Storage and transp	ortation:			
ROTOSTAR UV inks should be stored at temperatures below 25°C. Direct sunlight should also be avoided. High temperatures can lead to gelling. Low temperatures can result in the separation of low soluble binder components. Opened containers should never be handled in the direct sunlight, since this result in a preliminary polymerisation.		ECł Gür 912	further information or samples, please contact: KART GmbH ntersthal 4 35 Hartenstein many	
Shelf life: 6 months				
Important: ECKART strongly recommends disposing of used ink after running on press, as the shelf-life of this material can be greatly reduced due to various factors such as light, heat, contaminants etc.		<u>wwv</u>	I: Info.eckart@altana.com w.eckart.net	
ECKART cannot guarantee the shelf life of printing ink which has been previously used or modified, nor for ink which has been stored out with the conditions above.			a data on this technical information sheet correspond with the current status of wledge and experience. The liability for the application and processing of ducts lies with the buyer, and he is also responsible for observing any third p ts. We reserve the right to alter any product data as a result of technical prog urther developments in the manufacturing process.	