


Technical Product Information		
RHEINGOLD adhesive ink		
Article No.:	Product name:	
072418..	RHEINGOLD 2185	

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Sheetfed offset adhesive ink for bronzing, mineral oil based;

Product description:

RHEINGOLD adhesive ink is mineral oil based one component sheetfed offset adhesive inks for bronzing of goldbronze- or pearlescent pigments (silver and gold shades). RHEINGOLD is wax free, very sticky with a high tack.

The oxidative drying ink may release odour-generating by-products during the drying process and is neither low-migration nor low-odour. Therefore it might contain unevaluated substances with the potential to migrate. Further essential measures for food packaging inks like specific raw material selection, analytic control of raw materials and final products on composition and impurities, GMP production, can not be guaranteed for this ink. Therefore ECKART does not generally recommend this ink series for the production of packaging for food, beverages and tobacco, without the customer proving suitability of this inks series for the specific application via a migration test or other measures (e.g. use of functional barriers in the packaging design).

Application:

RHEINGOLD adhesive ink is suitable for sheet-fed offset printing for dusting process onto paper and carton, e.g. labels and folding carton.

The selection of the substrate has an enormous impact on the final result of RHEINGOLD 2185. This especially affects printing properties such as adhesion and transfer.

Very absorbent or uneven substrates often cause strong absorption of the binder system which causes a bad adhesion of the dusted pigments.

RHEINGOLD 2185

For printing on high absorbent substrates. RHEINGOLD 2185 guarantees an excellent adhesion of pigments. Even after drying, a thick ink film remains. With its beige shade ideal to support the coverage of gold bronze pigments and golden pearlescent pigment.

Recommended printing parameters:

Print density:

Measurements need to be taken with a densitometer including polarisation filter. The given guiding values might change depending on press conditions, substrate, etc.

	Colour density (wet)	Filter
RHEINGOLD 2185 Extra	0.5 – 0.9	Y

Printing speed:

The maximum printing speed depends on the individual bronzing equipment. So far we have not experienced any limitations for our RHEINGOLD 2185.

Fountain solution:

RHEINGOLD 2185 can be used with most commercially available fountain solutions.

The pH should be kept as neutral as possible to avoid drying problems and tarnishing during print run.

Ideal would be pH 5-5.5.

Avoid high pH levels as this might influence printability in a negative way.

Alcohol in damping units can be beneficial to metallic inks (up to 10%). RHEINGOLD also print perfect with a wide range of fountain solutions. For best printing results please contact your supplier.

Dilution:

RHEINGOLD 2185 is press ready and should not be diluted. If necessary 1-3% of a mineral oil could be added on own risk. A diluent would affect the stickiness.

Additives:

No additives should be added. Properties like stickiness could be affected in a negative way.

Individual tests should be done prior to any commercial use.

Cleaning recommendations:

RHEINGOLD can be easily cleaned by commercial available products.

In any case contamination of the ink with cleaning agents must be avoided in order to maintain stability and optical properties.

Please refer to Safety Data sheet for safety instructions.

Handling:


RHEINGOLD 2185 is a stable, one-component, press ready ink for dusting - no modifications are recommended. However, blending with other components should only be done per ECKART's recommendations in order to avoid a possible decrease in quality.

Please contact ECKART's Technical Support for further information.

Storage and transportation:

RHEINGOLD should be stored at temperatures below 25°C. High temperatures as well as low temperatures should be avoided as these conditions could damage the product by oxidation, gassing or flocculation of binder (additives).

Store away from direct sunlight.

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Keep the drums tightly shut and avoid unnecessary opening. Once opened – an anti-skinning agent could be used to avoid skinning.

ECKART can not guarantee shelf life stability for used products. Inks from the duct could be contaminated with emulsified fountain solution. This impacts the shelf life and could cause gelling, tarnishing, oxidation, gassing, etc.

Shelf life: 12 months


For further information or samples, please contact:

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The data on this technical information sheet correspond with the current status of our knowledge and experience. The liability for the application and processing of our products lies with the buyer, and he is also responsible for observing any third party rights. We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.

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