



## Gecko<sup>®</sup> Primer for Metalized Films 6663004

Solvent based printing inks for flexible packaging  
70GX417248

### Description

A monosolvent-based (Ethylacetate only) primer on polyester basis offering improved printability and adhesion on metalised films.

### Printing process

Gravure and flexographic printing.

### Applications

Surface printing.

Suitable for food and beverage flexible packaging, printed on the metallized side of the film. Good results could also be achieved on not primed Aluminium foil. Suggested quantity to be applied (dry solids) 0,7 – 1,0 g/m<sup>2</sup>.

**Substrates:** Metalized films; Aluminium foil

**Flexographic Process** For the flexographic process, a viscosity of 15 s (Ford cup 4) and the use of an anilox with 100 – 120 lines is suggested.

### Properties

Dry content	30% ± 2	Viscosity (DIN4)	15 – 25 s
Scratch resistance	5	Water resistance	5
Rub resistance	5		

All other properties depend on the ink and lacquer products used.

**Rating scale** (1 to 5 based on Gecko product range) 1= worst value, 5= best value.

**Note:** All properties are a guideline only and must always be tested on the specific application. In any case, it must be preliminarily performed an adhesion test for the system "primer + inks" on the metallized film, given the wide variety of materials available on the market and the various time-frame between the metallization process and the use.

### Printing viscosity

Diluents	Flexographic printing		Gravure printing	
	13 – 15 s DIN 4		13 – 15 s DIN 4	
Slow	n-Propyl Acetate	100	Ethyl Acetate/n-PropylAcetate	80:20
Standard	Ethyl Acetate/n-PropylAcetate	50:50	Ethyl Acetate	100
Retarder	Methoxy Propyl Acetate	5 % max	Methoxy Propyl Acetate	2 % max.

## Auxiliaries

**Additives** In general, the use of additives is not necessary.

## Notes

**Printing** This primer can only be used for flexographic printing when rubber or ethyl acetate resistant photopolymer printing plates are used.

## Instructions for the use of printing inks for the production of primary food packaging

For information on the use of printing inks, varnishes and additives for the manufacture of food packaging please refer to the respective „**Statement of Composition**". This information is provided to allow the calculation of possible levels of migration of evaluated substances in a worst case situation.

The manufacturer of the finished article and the filler have the legal responsibility to prove by appropriate migration testing that it is fit for its intended purpose.

In order to maintain low residual solvents concentration in the printed film, the printer must ensure sufficient drying of the product(s), especially when retarders have been added. Residual solvent content must be regularly monitored.

The product(s) must not be used in the manufacture of packaging where the printed layer is intended to come into contact with foodstuff (direct food contact).

## Health & Safety

The material safety data sheets contain all relevant information for the generation of appropriate internal plant instructions. The user is responsible for all local legislation requirements.

## Ink Handling

Please refer to General Guidelines for handling inks, varnishes and add for flexible packaging.

## Storage Conditions

Store the material in the original packaging at a temperature not below 5°C and not in direct contact with sunlight.

Contact addresses for advice and further information can be found under [www.hubergroup.com](http://www.hubergroup.com)

Due to the many variables in materials for printing, design construction, processing conditions and test criteria, this Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product(s) is technically and safely suitable for the particular purpose, prior to use. **hubergroup** disclaims any liability for applications for which this ink series is not foreseen. No warranties of any kind, either expressed or implied, are made regarding the products here described. The English version is the master document, on which to refer for any translations.