

# Novaset® 4701/50 BARRIER

High quality low-migration barrier coating for commercial and food packaging printing

### Water-based coating for sheetfed offset

#### **Product features**

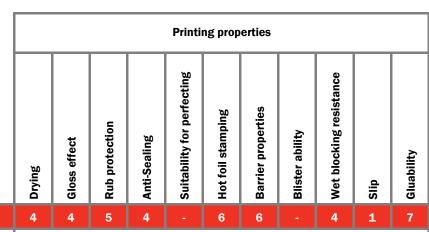
- Novaset® 4701/50 BARRIER is a particularly low-odour and low-migration barrier coating which is used for temporary barrier against oil, fat and water. It is suitable for the coating of the outside of food and semi-luxury food packaging applications. Novaset® 4701/50 BARRIER offers fast drying and very good rub protection.
- Novaset® 4701/50 BARRIER has proven itself as a coating for the reverse side of board.
- Novaset® 4701/50 BARRIER is only suitable for single-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4701/50 BARRIER is particularly suited for the production of packaging that complies with the requirements of the EU-regulation 1935/2004 and 2023/2006 as well as with the Swiss Ordinance 817.023.21. Mineral oil is not used as an intentional formulation component of this coating.

### Advantages of Novaset® 4701/50 BARRIER

- Particularly low-migration and low-odour.
- Complies with the requirements for water-based coatings for food packaging.
- Suitable for indirect contact with solid- and fatty food.
- Temporary barrier against oil, fat and water.
- Good drying.
- Good rub protection.



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1 = Characteristic weakly expressed 7 = Characteristic strongly expressed

The assessment of the product properties was made under standardised printing conditions. In individual cases, under special conditions, as in printing with very heavy coverage of coating, the classification of certain properties may be different.

Product code VP30-04DD-####

Final 4 digits relate to pack size.

Pack sizes 125 kg (01MA), 220 kg (01NF), 1000 kg (01U0)

Substrates Very well suited for coated paper and board.

**Application** Sheetfed coating units

Film weight 5 - 6 g/m² wet application

**Drying** Physical, forced with hot air-dryer and IR-dryer

Viscosity 50 s / 4 mm DIN cup / 20 °C

**Cleaning** Please clean up machine and equipment immediately with water.

**Remarks** Stir well before use!

Only use coatable printing inks!

Resistance against alcohol and alkali required.

Storage Protect against frost, heat and direct sunlight.

Storage in original packaging at 5° to 30°Celsius.

You are welcome to contact us for further information.

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

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#### **Special notes**

In order to preserve low-odour and low-migration properties, no additives such as retarders, defoamers or others may be added to the coating. An exemption to this rule is the addition of water to adjust the viscosity. It must be generally noted, that for the production of food packaging only materials suitable for this area of application are used.

In cases where a non-low-migration water-based coating has been used before printing with Novaset® 4701/50 BARRIER, the printing press should be thoroughly cleaned taking care to remove all coating residues. For this purpose, if necessary, only washes suitable for low-migration printing should be used, taking into account the manufacturer's recommendations for use. Following the wash cycle, thorough rinsing with clean water is essential.

We recommend to leave any glue areas coating-free. Recommended drying times for the complete system i.e. substrate + ink + coating should be adhered to before further processing. Using non-absorbent substrates and/or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.

In case of insufficient drying of the printing ink, a fault in form of a printing ink film splitting can't be excluded at a later refinement processes.

**Certificate** 

Novaset® 4701/50 BARRIER is ISEGA-certificated.

We will gladly provide you with a copy of the certificate upon request.

**Further information** 

For further information please refer to our Technical Reviews "Processing Guideline water-based coatings", "Resistance requirements for surface finishing", "Good manufacturing practice food packages" and the EuPIA guideline "Printing inks for food packaging".

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Flint CPS Inks Germany GmbH Commercial, Publication & Sheetfed Inks Sieglestrasse 25 70469 Stuttgart, Germany T +49 711 98 16-0 F +49 711 98 16-700 sheetfed@flintgrp.com www.flintgrp.com

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