

# Novaset® 4101/40 HIGH GLOSS DFC

High quality low-migration high gloss coating for food packaging printing

### Water-based coating for sheetfed offset

#### **Product features**

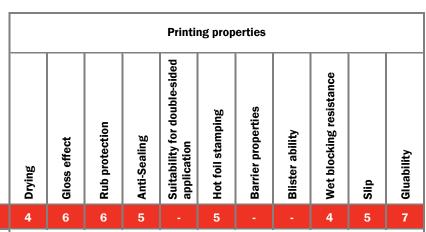
- Novaset® 4101/40 HIGH GLOSS DFC is a particularly low-odour and low-migration water-based high gloss
  coating which has been developed specially for packaging printing. It is suitable as direct food contact coating
  for dry, non-fatty food.
- Further advantages of Novaset® 4101/40 HIGH GLOSS DFC are very good anti-sealing and stacking properties
  as well as very high gloss.
- Novaset® 4101/40 HIGH GLOSS DFC is suitable for single-sided coating.
- Novaset® 4101/40 HIGH GLOSS DFC 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® 4101/40 HIGH GLOSS DFC

- Particularly low-migration and low-odour.
- Suitable for direct contact with dry and non-fatty food.
- Complies with the requirements for water-based coatings for food packaging.
- Very high gloss.
- Very good rub protection.
- Suitable for single-sided coating.
- Good anti-sealing properties.



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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 VP30-0F5D-####

Final 4 digits relate to pack size.

Pack sizes 125 kg (LKMA), 220 kg (LKNF)

**Substrates** Very well suited for coated paper and board.

**Application** Sheetfed coating units

Film weight 3 – 6 g/m² wet application

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

Viscosity 40 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.

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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 packagings 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® 4101/40 HIGH GLOSS DFC, 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 use this coating for direct food contact applications only on unprinted substrate. This coating does not represent a functional barrier against the migrating components of the ink.

#### Certificate

Novaset® 4101/40 HIGH GLOSS DFC 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 Novaset Coatings", "Resistance requirements for surface finishing", "Good manufacturing practice food packages", "Novaset Coatings for direct food contact" 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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