

# Novaset® 4103/40 PREMIUM GLOSS DFC

High quality low-migration gloss coating food packaging printing

### Water-based coating for sheetfed offset

#### **Product features**

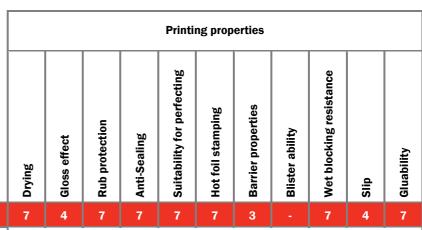
- Novaset® 4103/40 PREMIUM GLOSS DFC is an extremely low-odour and low-migration water-based coating
  which has been developed specially for packaging printing. It is suitable as direct food contact coating for all
  types of food, especially chocolate.
- Novaset® 4103/40 PREMIUM GLOSS DFC offers a very fast drying and superior rub protection.
- Further advantages of Novaset® 4103/40 PREMIUM GLOSS DFC are superior anti-sealing and stacking properties as well as good gloss.
- Depending on the used substrate Novaset® 4103/40 PREMIUM GLOSS DFC is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4103/40 PREMIUM 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® 4103/40 PREMIUM GLOSS DFC

- Extremely low-migration and low-odour.
- Suitable for direct contact with all types of food, especially chocolate.
- Complies with the requirements for water-based coatings for food packaging.
- Suitable for non-absorbent substrates.
- High wet blocking resistance
- Very good resistance against low and high temperatures.
- Superior rub protection.
- Very good anti-sealing properties.
- Universal applicability.



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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 thick layers of coating, the classification of certain properties may be different.

Product code VP30-0F0D-####

Final 4 digits relate to pack size.

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

Substrates Very well suited for coated paper and board as well as non-absorbent substrates.

**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.

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 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® 4103/40 PREMIUM 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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