

# 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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Printing properties										
Drying	Gloss effect	Rub protection	Anti-Sealing	Suitability for perfecting	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability
Novaset® 4103/40 PREMIUM GLOSS DFC	7	4	7	7	7	3	-	7	4	7
1 = Characteristic weakly expressed 7 = Characteristic strongly expressed										
<i>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.</i>										

<b>Product code</b>	VP30-0F0D-#### Final 4 digits relate to pack size.
<b>Pack sizes</b>	125 kg (LKMA), 220 kg (LKNF)
<b>Substrates</b>	Very well suited for coated paper and board as well as non-absorbent substrates.
<b>Application</b>	Sheetfed coating units
<b>Film weight</b>	3 – 6 g/m <sup>2</sup> wet application
<b>Drying</b>	Physical, forced with hot air-dryer and IR-dryer
<b>Viscosity</b>	40 s / 4 mm DIN cup / 20 °C
<b>Cleaning</b>	Please clean up machine and equipment immediately with water.
<b>Remarks</b>	Stir well before use! Only use coatable printing inks! Resistance against alcohol and alkali required.
<b>Storage</b>	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® 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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