

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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Printing properties											
	Drying	Gloss effect	Rub protection	Anti-Sealing	Suitability for double-sided application	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability
Novaset® 4101/40 HIGH GLOSS DFC	4	6	6	5	-	5	-	-	4	5	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 heavy coverage of coating, the classification of certain properties may be different.</i>											

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/m ² 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® 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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