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# Novaset® 4401/40 neutral coating

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

## Water-based coating for sheetfed offset

### Product features

- Novaset® 4401/40 is a particularly low-odour and low-migration water-based coating which has been developed specially for non-food packaging and commercial printing. It is also suitable for the coating of inner- and outside of food and semi-luxury food packaging applications and offers fast drying and good rub protection.
- Further advantages of Novaset® 4401/40 are very good anti-sealing and stacking properties. Due to the low gloss, the coating provides a neutral visual appearance.
- Depending on the used substrate Novaset® 4401/40 is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4401/40 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® 4401/40

- Particularly low-migration and low-odour.
- Suitable for direct contact with solid and fatty food.
- Complies with the requirements for water-based coatings for food packaging.
- Good rub protection.
- Suitable for double-sided coating.
- Low gloss – neutral visual appearance.
- Very good anti-sealing properties.
- Very economical.

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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® 4401/40 neutral coating	5	2	5	7	5	6	-	-	6	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>	VP26-01DD-#### – small pack sizes (25 kg, 125 kg) VP30-01DD-#### – large pack sizes (220 kg, 1000 kg)  Final 4 digits relate to pack size.
<b>Pack sizes</b>	25 kg (10J1), 125 kg ( 10MA), 220 kg (01NF), 1000 kg (01U0)
<b>Solids</b>	31-35%
<b>Substrates</b>	Very well suited for coated paper and board.
<b>Application</b>	Sheetfed coating units
<b>Film weight</b>	3 – 6 g/m² wet application
<b>Drying</b>	Physical, forced with hot air-dryer and IR-dryer
<b>Viscosity</b>	40 s / 4 mm DIN cub / 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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The aim of our technical documents is to inform our customers about general values. However, the transferability of general values known from experience and laboratory results to concrete practical applications depends on a number of factors which are beyond our control. We therefore ask for your understanding that this advice document cannot be used as the basis for claims in law. Furthermore, the correct application for each product has to be checked carefully for suitability.

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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® 4401/40, 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 manufacturers recommendations for use. Following the wash cycle, thorough rinsing with clean water is essential.

## Certificate

Novaset® 4401/40 is ISEGA-certificated (direct contact with solid and fatty food). We will gladly provide you with a copy of the certificate upon request.

## Further information

For further information please refer to our Technical Reviews „Resistance requirements for surface finishing“, „Good manufacturing practice food packages“ and the EuPIA guideline “printing inks for food packagings”.

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