

Novaset® 4111/40 NO HAZARD

Low-migration gloss coating especially for food packaging printing

Non-hazardous water-based coating for sheetfed offset

Product features

- Novaset® 4111/40 NO HAZARD is a particularly low-odour and low-migration water-based coating which has been developed specially for the coating of the outside of food and semi-luxury food packaging. The non-hazardous coating is also very well suited for non-food packaging and commercial printing and offers very fast drying and high rub protection.
- Further advantages of Novaset® 4111/40 NO HAZARD are very good anti-sealing and stacking properties as well as good gloss.
- Depending on the used substrate Novaset® 4111/40 NO HAZARD is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4111/40 NO HAZARD 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® 4111/40 NO HAZARD

- Particularly low-migration and low-odour.
- No hazard labelling according to CLP/GHS
- Suitable for indirect contact with solid and fatty food.
- Complies with the requirements for water-based coatings for food packaging.
- High rub protection.
- Suitable for double-sided coating.
- Good gloss.
- 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® 4111/40 NO HAZARD	5	4	6	7	5	7	-	-	5	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>											

Product code	VP30-06AD-#### Final 4 digits relate to pack size.
Pack sizes	220 kg (01NF), 1000 kg (01U0)
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.

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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 packaging 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® 4111/40 NO HAZARD, 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.

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 packaging”.

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