

Novaset® 4422/40 TEMP RST NEUTRAL

High quality low-migration neutral coating especially for frozen food packaging

Water-based coating for sheetfed offset

Product features

- Novaset® 4422/40 TEMP RST NEUTRAL is an extremely low-odour and low-migration water-based neutral coating which has been developed specially for the coating of the outside of frozen food packaging. The coating offers very fast drying and superior rub protection.
- Furthermore we can confirm that Novaset® 4422/40 TEMP RST NEUTRAL is suitable for food packaging used in microwave and baking ovens up to 220 °C.
- Further advantages of Novaset® 4422/40 TEMP RST NEUTRAL are superior anti-sealing and stacking properties as well as a neutral appearance.
- Depending on the used substrate Novaset® 4422/40 TEMP RST NEUTRAL is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4422/40 TEMP RST NEUTRAL 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® 4422/40 TEMP RST NEUTRAL

- Extremely low-migration and low-odour.
- Suitable for indirect contact with solid and fatty food.
- Complies with the requirements for water-based coatings for food packaging.
- Suitable for single-side PE laminated substrates.
- High wet blocking resistance.
- Suitable for food packaging heated up to 220 °C in microwave and baking ovens.
- Superior rub protection.
- Very good anti-sealing properties.

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Printing properties											
Drying	Matt effect	Rub protection	Anti-Sealing	Suitability for perfecting	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability	
Novaset® 4422/40 TEMP RST NEUTRAL	7	3	7	7	5	7	-	-	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 heavy coverage of coating, the classification of certain properties may be different.</i>											

Product code	VP30-062D-#### Final 4 digits relate to pack size.
Pack sizes	125 kg (01MA), 220 kg (01NF), 1000 kg (01U0)
Substrates	Very well suited for coated paper and boards as well as low-absorbent substrates.
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® 4422/40 TEMP RST NEUTRAL, 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.

Further information

For further information please refer to our Technical Reviews "Processing guideline water-based coatings", "Resistance requirements for surface finishing", "Good manufacturing practice food packages" and the EuPIA guideline "Printing inks for food packaging".

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