

# Novaset® 4401/40 ECO NEUTRAL

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

## Water-based coating for sheetfed offset

### Product features

- Novaset® 4401/40 ECO NEUTRAL 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 the outside of food and semi-luxury food packaging applications and offers fast drying and good rub protection.
- Further advantages of Novaset® 4401/40 ECO NEUTRAL 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 ECO NEUTRAL is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4401/40 ECO 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® 4401/40 ECO NEUTRAL

- Particularly 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.
- 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 double-sided application | Hot foil stamping | Barrier properties | Blister ability | Wet blocking resistance | Slip | Glueability |   |
| Novaset® 4401/40 ECO NEUTRAL   | 5            | 3              | 5            | 7  | 6                 | 6                  | -               | -                       | 6    | 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 thick layers of coating, the classification of certain properties may be different.</i> |              |                |              |  |                   |                    |                 |                         |      |             |   |

|                     |  |
|---------------------|--|
| <b>Product code</b> | VP30-01DD-####<br>Final 4 digits relate to pack size.  |
| <b>Pack sizes</b>   | 25 kg (01J1), 125 kg (01MA), 220 kg (01NF), 1000 kg (01U0)   |
| <b>Substrates</b>   | Very well suited for coated paper and board.   |
| <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!<br>Only use coatable printing inks!<br>Resistance against alcohol and alkali required. |
| <b>Storage</b>      | Protect against frost, heat and direct sunlight.<br>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® 4401/40 ECO 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 manufacturers recommendations for use. Following the wash cycle, thorough rinsing with clean water is essential.

## Certificate

Novaset® 4401/40 ECO NEUTRAL 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 „Resistance requirements for surface finishing“, „Good manufacturing practice food packages“ and the EuPIA guideline “Printing inks for food packaging”.

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