Novaset® 4705/50 BARRIER
High quality low-migration barrier coating for commercial and food packaging printing

Water-based coating for sheetfed offset

Product features

- Novaset® 4705/50 BARRIER is a particularly low-odour and low-migration barrier coating which is used for temporary barrier against oil, fat and water. It is suitable for the coating of the outside of food and semi-luxury food packaging applications. Novaset® 4705/50 BARRIER offers fast drying and very good rub protection.
- Novaset® 4705/50 BARRIER has proven itself as a coating for the reverse side of board.
- Novaset® 4705/50 BARRIER is suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4705/50 BARRIER 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® 4705/50 BARRIER

- Particularly low-migration and low-odour.
- Complies with the requirements for water-based coatings for food packaging.
- Suitable for indirect contact with solid- and fatty food.
- Temporary barrier against oil, fat and water.
- Suitable for double-sided coating.
- Fast drying.
- Good rub protection.
Novaset® 4705/50 BARRIER

<table>
<thead>
<tr>
<th>Printing properties</th>
<th>Drying</th>
<th>Gloss effect</th>
<th>Rub protection</th>
<th>Anti-Sealing</th>
<th>Suitability for perfecting</th>
<th>Hot foil stamping</th>
<th>Barrier properties</th>
<th>Blister ability</th>
<th>Wet blocking resistance</th>
<th>Slip</th>
<th>Gluability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novaset® 4705/50 BARRIER</td>
<td>5</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>5</td>
<td>-</td>
<td>5</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

1 = Characteristic weakly expressed  7 = Characteristic strongly expressed

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.

Product code: VP30-045D.###

Pack sizes:
- 125 kg (01MA), 220 kg (01NF), 1000 kg (01U0)

Substrates:
Very well suited for coated paper and board.

Application:
Sheetfed coating units

Drying:
Physical, forced with hot air-dryer and IR-dryer

Viscosity:
5 – 6 g/m² wet application

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.

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Version: 22/03/2018 Page 2 of 3
Novaset® 4705/50 BARRIER

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® 4705/50 BARRIER, 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 leave any glue areas coating-free. Recommended drying times for the complete system i.e. substrate + ink + coating should be adhered to before further processing. Using non-absorbent substrates and/or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.

In case of insufficient drying of the printing ink, a fault in form of a printing ink film splitting can’t be excluded at a later refinement processes.

Certificate
Novaset® 4705/50 BARRIER 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 water-based coatings”, “Resistance requirements for surface finishing”, “Good manufacturing practice food packages” and the EuPIA guideline “Printing inks for food packaging”.

Flint Group offers a uniquely powerful combination of products, services and expertise; giving you access to the industry’s broadest range of pressroom products.

Rely on us for consistency, reliability and customer focus. Our aim is to make it easier for you to achieve your business goals. With Flint Group products in your pressroom, you can run your business with confidence and peace of mind.

You are welcome to contact us for further information.

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