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.
# Novaset® 4111/40 NO HAZARD

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

Product names followed by ® are trademarks registered by Flint Group (represented by Flint Group US LLC or Flint Group Germany GmbH).

## 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/m² 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.

---

### Printing properties

<table>
<thead>
<tr>
<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>Blisters ability</th>
<th>Wet blocking resistance</th>
<th>Slip</th>
<th>Guability</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>5</td>
<td>7</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>4</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 thick layers of coating, the classification of certain properties may be different.
### 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”.

---

### You are welcome to contact us for further information.

Flint Group
Commercial, Publication & Sheetfed Inks
Sieglestrasse 25
70469 Stuttgart, Germany

T +49 711 98 16-0
F +49 711 98 16-700
sheetfed@flintgrp.com
www.flintgrp.com

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group’s knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

Product names followed by ® are trademarks registered by Flint Group (represented by Flint Group US LLC or Flint Group Germany GmbH).