

# Novaset® 4220/40 ANTI CURL GLOSS

Low-migration gloss coating especially for label printing

## Water-based coating for sheetfed offset

### Product features

- Novaset® 4220/40 ANTI CURL GLOSS is a particularly low-odour and low-migration water-based coating which has been developed specially for label printing. It is also suitable for the coating of the outside of food and semi-luxury food packaging applications and offers very fast drying and very high rub protection.
- Further advantages of Novaset® 4220/40 ANTI CURL GLOSS are very good anti-sealing and stacking properties. The coating is especially suitable for thin papers as rolling up and curling of the print material in the delivery are minimized or even avoided.
- Depending on the used substrate Novaset® 4220/40 ANTI CURL GLOSS is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4220/40 ANTI CURL GLOSS 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® 4220/40 ANTI CURL GLOSS

- Particularly low-migration and low-odour.
- Very fast drying.
- For label printing.
- Suitable for thin papers.
- Complies with the requirements for water-based coatings for food packaging.
- Very high rub protection.
- Suitable for double-sided coating.
- Very good anti-sealing properties.

# Novaset® 4220/40 ANTI CURL GLOSS

Printing properties											
Drying	Gloss effect	Rub protection	Anti-Sealing	Suitability for perfecting	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability	Suitability for non-absorbent substrates
Novaset® 4220/40 ANTI CURL GLOSS	6	4	7	7	7	3	-	7	4	7	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>	VP30-021D-#### Final 4 digits relate to pack size.
<b>Pack sizes</b>	125 kg (O1MA), 220 kg (O1NF), 1000 kg (O1UO)
<b>Substrates</b>	Very well suited for coated paper and board as well as for thin papers.
<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! Only use coatable printing inks! Resistance against alcohol and alkali required.
<b>Storage</b>	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.

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.

**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

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

# Novaset® 4220/40 ANTI CURL GLOSS

## 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 packagings 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® 4220/40 ANTI CURL GLOSS, 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.

Water-based products typically contain isothiazolinone biocides, including methyl isothiazolinone, as in-can preservatives. Such biocides may cause allergic skin reactions in already sensitised individuals

## 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”.

## More products. Streamlined access. Greater results.

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

### ***Inks & Coatings. Pressroom Chemicals. Blankets. Sleeves. Consumables.***

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.**

**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).