

Novaset® 4510/40 OFF PRIMER GLOSS

High quality low-migration offline-primer for commercial and food packaging printing

Water-based coating for sheetfed offset

Product features

- Novaset® 4510/40 OFF PRIMER GLOSS is a particularly low-odour and low-migration offline-primer which is used as water-based grounding for providing adhesion between substrate and subsequent UV-varnishing or foil lamination. It has been developed for non-food packaging and commercial printing, but is also suitable for the coating of the outside of food and semi-luxury food packaging applications. Novaset® 4510/40 OFF PRIMER GLOSS offers fast drying and very good rub protection.
- Further advantages of Novaset® 4510/40 OFF PRIMER GLOSS are superior anti-sealing and stacking properties as well as high gloss. Suitable for low- and non-absorbent substrates.
- Novaset® 4510/40 OFF PRIMER GLOSS is suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4510/40 OFF PRIMER 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® 4510/40 OFF PRIMER GLOSS

- Particularly low-migration and low-odour.
- Complies with the requirements for water-based coatings for food packaging.
- Good primer properties for subsequent finishing.
- Suitable for double-sided coating.
- Good gloss.
- Superior anti-sealing properties.
- Good rub protection.
- Suitable for low- and non-absorbent substrates.

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Printing properties										
Drying	Gloss effect	Rub protection	Anti-Sealing	Suitability for perfecting	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability
Novaset® 4510/40 OFF PRIMER GLOSS	7	4	7	7	7	3	-	7	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	VP30-030D-#### – large pack sizes (125 kg, 220 kg, 1000 kg) Final 4 digits relate to pack size.
Pack sizes	25 kg (01J1), 125 kg (01MA), 220 kg (01NF), 1000 kg (01U0)
Substrates	Very well suited for coated paper, board and non-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.

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.

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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® 4510/40 OFF PRIMER 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 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® 4510/40 OFF PRIMER GLOSS 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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