


Novaset[®] water-based coatings for sheetfed offset

Range overview

Novaset[®] water-based coatings range – varied and variable

- Water-based coatings have become increasingly important in recent years – not just as an aid to sophisticated design, creating gloss and matt effects or for spot coating, but first and foremost for protecting the printed product.
- Flint Group's water-based coatings are easily identified by the Novaset[®] product name.
- Our portfolio is as diverse and variable as your daily printing challenges and is intended equally for commercial and packaging printers. Many of our products are Isega-certified and therefore also suitable for the printing of food packaging.
- The range covers high gloss, gloss, neutral, matt and silk matt coatings and is complemented by a few special coatings for specific applications.
- Our water-based coatings provide ideal properties for almost all demands: from fast drying coatings, to coatings for optimum rub protection or particularly low-migration coatings for food packaging applications, up to special blister coatings and primers.
- The property profiles within the range are so finely tuned with each other, that we can always offer you a suitable product for your individual requirements.
- As a full-service supplier, Flint Group provides not only the most comprehensive product range in the industry, but also the most perfectly matched products.
- The following pages offer an overview of all standard products within our water-based coatings range. More detailed information on each coating is available in the individual product literature.
- Please contact us if you have questions about our Novaset[®] water-based coatings or supplementary additives or cleaners – we'll be happy to help you!

Novaset® range overview

Product features	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	Suitability for non-absorbant substrates	
Novaset® high gloss coatings													
Novaset® 7301/40 	Very high gloss, for single-sided application, low-migration	4	6	6	5	-	5	-	-	4	5	5	-
Novaset® 7302/100 INULINE	Highest gloss, for single-sided application	4	7	6	5	-	5	-	-	3	5	5	-
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>													

Please refer to the individual product literature for more detailed information of the stated Novaset® water-based coatings.



Low-migration – coating is particularly suited for the production of food and semi-luxury food packaging that complies with the requirements of EU-regulation 1935/2004 and 2023/2006 as well as with Swiss Ordinance 817.023.21.



ISEGA-certificated

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
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Version: 22/02/2016 Page 2 of 6

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Novaset® gloss coatings													
Novaset® 4300/40 	Very high gloss, for single-sided application, low-migration	4	5	6	-	-	5	-	-	5	5	5	-
Novaset® 4200/40 	All-round coating, very high rub protection, low-migration	5	5	7	7	5	7	-	-	5	5	7	-
Novaset® 4210/40 	High slip, low-migration	5	5	7	7	5	-	-	-	5	7	-	-
Novaset® 4211/40 	Especially for use in food packaging applications, low-migration	5	4	6	7	5	7	-	-	5	5	7	-
Novaset® 4225/40 	Very high slip, low-migration	5	4	6	7	5	7	-	-	5	7	7	-
Novaset® 4212/40 	Very high gloss, good rub-resistance and friction, low-migration	5	4	6	7	5	7	-	-	5	4	7	-
Novaset® 4215/40 	Especially for use in food packaging applications low-migration, higher slip	5	4	6	7	5	7	-	-	5	6	7	-
Novaset® 4216/40 	Very high temperature resistance, low-migration	7	4	7	7	7	7	-	-	7	5	7	7
Novaset® 4220/40 	Especially for thin papers, for label printing, low-migration	6	4	7	7	7	7	3	-	7	5	7	7
Novaset® 6290	To be applied from the ink duct	3	3	6	4	4	3	-	-	3	3	5	-

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Low-migration – coating is particularly suited for the production of food and semi-luxury food packaging that complies with the requirements of EU-regulation 1935/2004 and 2023/2006 as well as with Swiss Ordinance 817.023.21. ISEGA-certificated

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Novaset® neutral coatings													
Novaset® 4401/40 	All-round coating, for double-sided application, low-migration	5	2	5	7	5	6	-	-	6	4	7	-
Novaset® silk matt coatings													
Novaset® 4403/40 	All-round coating, for double-sided application, low-migration	5	4	5	7	5	6	-	-	6	4	7	-
Novaset® matt coatings													
Novaset® 4400/40 	All-round coating, for double-sided application, low-migration	5	6	5	7	5	5	-	-	6	4	7	-
Novaset® 6451	To be applied from the ink duct	3	4	6	3	4	-	-	-	3	3	5	-
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Please refer to the individual product literature for more detailed information of the stated Novaset® water-based coatings.



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Novaset® special coatings													
 Novaset® 4510/40 Offline-Primer for UV coating and foil lamination, suitable for non-absorbent substrates low-migration	7	4	7	7	7	7	3	-	7	5	7	7	
 Novaset® 4520/40 Inline-Primer for UV coating in the double coating unit, low-migration	2	7	-	-	3	-	-	-	-	-	-	-	
 Novaset® 4705/50 Barrier coating for board, temporary barrier against oil, fat and water, low-migration	5	4	5	5	5	5	7	-	5	2	7	3	
 Novaset® 4711/50 Gloss anti slip coating, low-migration	5	4	5	5	5	6	-	-	5	1	7	3	
 Novaset® 4710/40 Gloss anti slip coating, good friction, low-migration	5	6	5	5	5	5	-	-	5	2	7	3	
 Novaset® 7600/40 Blister coating for board, PVC-, polystyrene-, PET-A and PET-G- blister foil, low-migration	5	3	5	1	-	7	-	7	3	3	5	-	
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Please refer to the individual product literature for more detailed information of the stated Novaset® water-based coatings. Please contact us, if you need alternative water-based coatings with specific characteristics.



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Version: 22/02/2016 Page 5 of 6

Novaset® range overview

The following statements apply to all water-based coatings listed in this brochure, except the coatings for print duct:

Pack sizes	25 kg, 125 kg, 220 kg, 1000 kg
Substrates	Very well suited for coated paper and board.
Application	Sheetfed coating units
Film weight	3 – 6 g/m ² wet application
Drying	Physical, forced with hot air-dryer and IR-dryer
Storage	Protect against frost, heat and direct sunlight. Storage in original packaging at 5° to 30° Celsius
Exceptions	With the exception of those products indicated as low-migration, all listed water-based coatings are not for use on food packaging without functional barrier.
Further information	For further information please refer to our Technical Review „Processing Guideline water-based coatings“.

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