









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 wide range of special coatings for specific applications and special effects.
- 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 and speciality 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	Matt 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-absorbent substrates	
PREMIUM RANGE – The high quality, rub resistant waterbased coatings														
Novaset® 4216/40 PREMIUM GLOSS 	Very high temperature and rub resistance, low-migration	7	4	-	7	7	7	7	3	-	7	4	7	7
Novaset® 4406/40 PREMIUM NEUTRAL 	Very high temperature and rub resistance, low-migration	7	-	3	6	7	7	7	3	-	7	5	7	7
Novaset® 4404/40 PREMIUM SILK MATT 	Very high temperature and rub resistance, low-migration	7	-	4	6	7	7	7	3	-	7	5	7	7
Novaset® 4416/40 PREMIUM MATT 	Very high temperature and rub resistance, low-migration	7	-	6	6	7	7	7	3	-	7	5	7	7
ECO RANGE – The economical waterbased coatings														
Novaset® 4211/40 ECO GLOSS 	Especially for use in food packaging applications, low-migration	5	4	-	6	7	5	7	-	-	5	4	7	-
Novaset® 4401/40 ECO NEUTRAL 	All-round coating, for double-sided application low-migration	5	-	3	5	7	6	6	-	-	6	5	7	-
Novaset® 4403/40 ECO SILK MATT 	All-round coating, for double-sided application low-migration	5	-	4	5	7	6	6	-	-	6	5	7	-
Novaset® 4400/40 ECO MATT 	All-round coating, for double-sided application low-migration	5	-	6	5	7	6	6	-	-	6	5	7	-
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.														

You are welcome to contact us for further information.








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Novaset® Allrounder – The waterbased coatings for a universal use														
Novaset® 4200/40 GLOSS 	All-round coating, high rub protection, low-migration	5	4	-	7	7	5	7	-	-	5	4	7	-
Novaset® 4300/40 GLOSS 	High gloss, for single-sided application, low-migration	4	5	-	6	6	-	7	-	-	4	4	6	-
Novaset® High Slip Coatings														
Novaset® 4225/40 HIGH SLIP 	Very high slip, low-migration	5	4	-	6	7	5	7	-	-	5	7	-	-
Novaset® Anti Slip Coatings														
Novaset® 4710/40 ANTI SLIP GLOSS 	Gloss anti slip coating, medium friction, low-migration	5	5	-	5	5	5	5	-	-	5	3	5	-
Novaset® 4711/50 ANTI SLIP GLOSS 	Gloss anti slip coating, good friction, low-migration	5	4	-	5	5	5	6	-	-	5	2	7	3
Novaset® 4720/50 ANTI SLIP GLOSS 	Gloss anti slip coating, high friction, low-migration	5	4	-	5	4	-	6	-	-	4	1	7	2
Novaset® 4730/60 ANTI SLIP GLOSS 	Gloss anti slip coating, excellent friction, low-migration	5	4	-	5	4	-	6	-	-	3	-	7	2
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		Drying	Gloss effect	Matt 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-absorbent substrates
Novaset® Soft Touch														
Novaset® 4999/70 SOFT TOUCH	High quality soft touch coating for commercial and packaging printing	4	-	7	6	5	4	-	-	-	4	-	-	5
Novaset® Coatings for direct food contact (DFC)														
Novaset® 4101/40 HIGH GLOSS DFC	High quality high gloss coating, for single-sided application, low-migration	4	6	-	6	5	-	5	-	-	4	5	7	-
Novaset® 4102/50 BARRIER DFC	Barrier coating for board, temporary barrier against oil, fat and water, low-migration	4	4	-	5	4	-	6	6	-	4	1	7	2
Novaset® 4103/40 PREMIUM GLOSS DFC	High quality gloss coating, very high temperature resistance and rub resistance, low-migration.	7	4	-	7	7	7	7	3	-	7	4	7	7
Novaset® High Gloss Coatings														
Novaset® 4301/40 HIGH GLOSS	Very high gloss, for single-sided application, low-migration	4	6	-	6	5	-	5	-	-	4	5	7	-
Novaset® 7302/100 INULINE	Highest gloss, for single-sided application	4	7	-	6	5	-	5	-	-	3	5	7	-
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Novaset® Blister Coating														
Novaset® 4600/50 BLISTER 	Blister coating for board, PVC-, polystyrene-, PET-A and PET-G- blister foil, low-migration	5	3	-	4	-	-	7	-	7	3	3	5	-
Novaset® Temperature Resistant Coating														
Novaset® 4222/40 TEMP RST 	High- and low temperature resistant, low-migration, especially for PE packaging	7	4	-	7	7	5	7	-	-	6	4	7	7
Novaset® Cigarette Coating														
Novaset® 4900/40 CIGARETTE 	2-ethyl-hexanol low coating for cigarette packaging, low migration	5	5	-	6	7	-	7	-	-	6	5	7	-
Novaset® IML coating														
Novaset® 4940/40 IML 	Gloss coating especially for IML applications, low migration	7	3	-	7	-	-	-	-	-	7	6	-	7
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Novaset® Barrier Coatings														
Novaset® 4705/50 BARRIER 	Barrier coating for board, temporary barrier against oil, fat and water, low-migration	5	4	-	5	5	5	6	5	-	5	2	7	3
Novaset® 4701/50 BARRIER 	Barrier coating for board, temporary barrier against oil, fat and water, low-migration	4	4	-	5	4	-	6	6	-	4	1	7	2
Novaset® 4700/60 BARRIER 	Barrier coating for board, temporary barrier against oil, fat and water, low-migration	4	4	-	5	4	-	6	7	-	4	-	7	2
Novaset® Primers														
Novaset® 4510/40 OFF PRIMER GLOSS 	Offline-Primer for UV coating and foil lamination, suitable for non-absorbent substrates low-migration	7	4	-	7	7	7	7	3	-	7	4	7	7
Novaset® 4530/40 OFF PRIMER MATT 	Offline-Primer for UV coating and foil lamination, suitable for non-absorbent substrates low-migration	7	-	4	6	7	7	7	3	-	7	5	7	7
Novaset® 4520/40 IN PRIMER GLOSS 	Inline-Primer for UV coating in the double coating unit, low-migration	2	7	-	-	-	-	-	-	-	-	-	-	-
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Novaset® Coatings without hazardous labels														
Novaset® 4111/40 NO HAZARD 	Coating without hazardous labels, low-migration coating for commercial and packaging printing	5	4	-	6	7	5	7	-	-	5	4	7	-
Novaset® 4115/40 NO HAZARD 	Coating without hazardous labels, low-migration coating for commercial and packaging printing	5	4	-	6	7	5	7	-	-	5	6	7	-
Novaset® Anti Curl Coatings														
Novaset® 4220/40 ANTI CURL GLOSS  	Especially for thin papers, for label printing, low-migration	6	4	-	7	7	7	7	3	-	7	4	7	7
Novaset® 4420/40 ANTI CURL MATT  	Especially for thin papers, for label printing, low-migration	6	-	4	6	7	7	7	3	-	7	5	7	7
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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-certified

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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, and 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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