


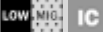
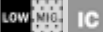
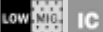
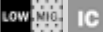



Novaset[®] water-based coatings for sheetfed offset

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® 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 | |
| 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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| 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. | | | | | | | | | | | | | | |

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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 |
| Novaset® Soft Touch | | | | | | | | | | | | | | |
| Novaset® 2999/70 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® 7302/60 INULINE  | Highest gloss, for single-sided application | 4 | 7 | - | 6 | 5 | - | 5 | - | - | 3 | 5 | 7 | - |
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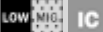
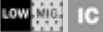

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Novaset® range overview

| 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 | |
| Novaset® Blister Coating | | | | | | | | | | | | | | |
| Novaset® 4600/50 BLISTER  | 5 | 3 | - | 4 | - | - | 7 | - | 7 | 3 | 3 | 5 | - | |
| Novaset® Temperature Resistant Coating | | | | | | | | | | | | | | |
| Novaset® 4222/40 TEMP RST  | 7 | 4 | - | 7 | 7 | 5 | 7 | - | - | 6 | 4 | 7 | 7 | |
| Novaset® IML coating | | | | | | | | | | | | | | |
| Novaset® 2940/40 IML  | 7 | 3 | - | 7 | - | - | - | - | - | 7 | 6 | - | 7 | |
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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® 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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| 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 |
| 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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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, 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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