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Novavit® BCS PLANET

Duct-fresh, ready-to-print base colour ink series with a Cradle to Cradle certification

Base colour ink series for sheetfed offset

Product features

- Novavit® BCS PLANET is a modern, highly pigmented base colour ink series for sheetfed offset. It is based on renewable raw materials, is duct-fresh and Cradle to Cradle Certified™. The series consists on 10 base colour inks plus black and transparent white and is supplemented 2 more with particularly high fastness properties. All base colour inks are resistant to water-based coating.
- With the help of the Flint Group mixing books (see page 3 below) Novavit® BCS PLANET is optimally suited for mixing colour shades of the PANTONE® fan. Besides that it can also be used to mix any other colour shade in different fastness variants.
- The series is excellently suited both for the latest generation printing presses and machines of older design and construction.
- Further benefits of Novavit® BCS PLANET are the excellent colour intensity, high brilliance and very good setting properties.

Advantages of Novavit® BCS PLANET

- Cradle to Cradle Certified™.
- Ready-to-print – no addition of drier and/or antidrier.
- Useable on all absorbent substrates.
- Highly pigmented.
- Excellent colour intensity.
- High brilliance.
- Very fast setting.



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Novavit® BCS PLANET

		Fastness properties/opaqueeness							Printing properties							
		Opaqueeness	Light 100 %	Light 10 %	Ethanol	Solvent mixture	Alkali	Caustic soda solution	Gloss	Setting	Oxidative drying	Rub resistance	Rapid further processing	Suitability for gloss coated papers/board	Suitability for uncoated papers/board	Suitability for matt coated papers/board
Novavit® BCS PLANET	Article code								6	6	5	6	6	7	7	7
Yellow	VZ44-100*	t	5	3	+	+	+	+	1 = Characteristic weakly expressed 7 = Characteristic strongly expressed							
Resistant Yellow	VZ44-153*	t	6-7	5-6	+	-	+	+								
Orange	VZ44-200*	t	5	3	+	+	+	+								
Red 032	VZ44-302*	so	5	3	+	-	+	+	The assessment of the colour properties was made under standardised printing conditions. In individual cases, under special conditions, as in printing with very high ink densities, the classification of certain properties may be different.							
Rubine Red	VZ44-301*	t	5	3	+	+	-	-								
Alkali Rst. Rubine Red	VZ44-346*	t	5	4	+	+	+	+								
Rst. Rhodamine Red	VZ44-369*	t	7	5-6	+	+	+	+								
Resistant Violet	VZ44-450*	t	7	6	+	+	+	+	Light fastness properties according to ISO 12040: from 1 (low) to 8 (high)							
Process Blue	VZ44-500*	t	8	6-7	+	+	+	+	Fastness properties according to ISO 2836: + = Good Resistance +/- = Partly Resistant - = Not Resistant							
Green	VZ44-600*	t	8	6-7	+	+	+	+	Opaqueeness: o = opaque so = slightly opaque t = transparent							
Black	VZ44-960*	o	8	8	+	+	+	+								
Transparent White	VZ44-000*	t														
Highest fastness properties	Article code															
Y/S Red	VZ44-355*	t	7	6	+	+	+	+								
Resistant Rubine Red	VZ44-366*	t	7	6	+	+	+	-								

* Depending on the producing site

You are welcome to contact us for further information.

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Novavit® BCS PLANET

Drying properties	Drying by oxidation and setting, duct-fresh.
Substrates	Ideally suited for gloss coated, matt coated and uncoated papers and board.
Hints for mixing spot colours	Due to the high colour strength and mono-pigmentation, the base colour inks of Novavit® BCS PLANET are ideally suited for the easy formulation and mixing of spot colours, and in particular if special fastness requirements are needed. The whole range of PANTONE® colour shades can be achieved with typical wet offset printing film weights.
Mixing books/ calibration data	Mixing formulae for all PANTONE® C and U colour shades are available in the Flint Group BCS mixing book GLOBAL PLUS. An additional mixing book with the denomination GLOBAL FAST contains mixing formulae of PANTONE® C and U colour shades with enlarged fastness properties, as for example requested due to the subsequent print finishing process. Both mixing books, as well as calibration data for computerised ink formulation with X-Rite Ink formulation can be made available upon request.
Additives	BCS Reducer BIO 19 789 – thinner To adapt viscosity and tack 1 - 3 % can be added.
Further Cradle to Cradle Products	Novavit® F 1050 PLANET – conventional and fast drying process series. Novasens® BCS PLANET – ready-to-print, extremely low-odour and low-migration base colour ink series for food packaging printing. Novasens® P 690 PLANET – extremely low-odour and low-migration special process series
Exceptions	Not for use on food packaging without functional barrier.
Further information	For further information please refer to our Technical Reviews “Resistance requirements for surface finishing“, as well as “BCS recommendations for mixing spot colours and associated labelling information“.

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