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# Novavit® BCS BIO INTENSIVE

Duct-fresh, ready-to-print base colour ink series

## Base colour ink series for sheetfed offset

### Product features

- Novavit® BCS BIO INTENSIVE is a modern, highly pigmented base colour ink series for sheetfed offset. It is based on renewable raw materials and is duct-fresh. The series consists on 12 base colour inks plus black and transparent white and is supplemented by 5 inks with enlarged fastness properties and 2 more with particularly high fastness properties.
- With the help of the Flint Group mixing books (see page 3 below) Novavit® BCS BIO INTENSIVE 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 BIO INTENSIVE are the excellent colour intensity, high brilliance and very good setting properties.

### Advantages of Novavit® BCS BIO INTENSIVE

- 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.

**FlintGroup**

# Novavit® BCS BIO INTENSIVE

	article code	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
<b>Novavit® BCS BIO INTENSIVE</b>									<b>6</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>7</b>
Yellow	VZ19-100*	t	5	3	+	+	+	+	1 = Characteristic weakly expressed 7 = Characteristic strongly expressed							
Orange 021	VZ19-200*	t	5	3	+	+	+	+	<b>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.</b>  <b>Light fastness properties according to ISO 12040:</b> from 1 (low) to 8 (high) <b>Fastness properties according to ISO 2836:</b> + = Good Resistance +/- = Partly Resistant - = Not Resistant  <b>Opaqueeness:</b> o = opaque so = slightly opaque t = transparent  1 Colour shade on labels will change but the caustic soda does not.							
Warm Red	VZ19-300*	so	2-3	1	+	+/-	-	-								
Red 032	VZ19-302*	so	5	3	+	-	+	+								
Rubine Red	VZ19-301*	t	5	3	+	+	-	-								
Rhodamine Red	VZ19-303*	so	4	3	-	-	-	-								
Purple	VZ19-400*	t	4	2	-	-	-	-								
Violet	VZ19-401*	t	3-4	2	-	-	-	+/- 1								
Blue 072	VZ19-502*	t	4	3	-	-	-	-								
Reflex Blue	VZ19-501*	t	3	2	-	-	+	+/- 1								
Process Blue	VZ19-500*	t	8	6-7	+	+	+	+								
Green	VZ19-600*	t	8	6-7	+	+	+	+								
Black	VZ19-960*	o	8	8	+	+	+	+								
Transparent White	VZ19-000*	t														

Enlarged fastness properties	article code							
Resistant Yellow	VZ19-153*	t	6-7	5-6	+	-	+	+
Resistant Warm Red	VZ19-363*	so	3-4	2	+	+	+	-
Alkali Rst. Rubine Red	VZ19-346*	t	5	4	+	+	+	+
Rst. Rhodamine Red	VZ19-369*	t	7	5-6	+	+	+	+
Resistant Violet	VZ19-450*	t	7	6	+	+	+	+

Highest fastness properties	article code							
Y/S Red	VZ19-355*	t	7	6	+	+	+	+
Resistant Rubine Red	VZ19-366*	t	7	6	+	+	+	-

\* Depending on the producing site

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<b>Drying properties</b>	Drying by oxidation and setting, duct-fresh.
<b>Substrates</b>	Ideally suited for gloss coated, matt coated and uncoated papers and board.
<b>Hints for mixing spot colours</b>	Due to the high colour strength and mono-pigmentation, the base colour inks of Novavit® BCS BIO INTENSIVE 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.
<b>Mixing books/ calibration data</b>	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.
<b>Additives</b>	Printing oil L – thinner To adapt viscosity and tack 1 - 3 % can be added.
<b>Further BCS-Series</b>	<b>Novavit® BCS BIO ND/NA</b> – base colour ink series without any drier and antidrier for variable drying properties. <b>Novasens® BCS PREMIUM</b> – ready-to-print, extremely low-odour and low-migration base colour ink series for food packaging printing.
<b>Exceptions</b>	Not for use on food packaging without functional barrier.
<b>Further information</b>	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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