

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

Base colour ink series for sheetfed offset

Product features

- Novavit® Easy Mix BIO 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 of 17 base colour inks plus black and transparent white and is supplemented by 5 inks of the Novavit® BCS BIO INTENSIVE series with enlarged fastness properties and 2 more highly concentrated inks for single printing. With the introduction of the PANTONE® PLUS system, the colour book was enlarged by 336 shades that are suitable for water-based and UV varnishing due to their fastness properties. For this purpose, 4 additional base colour inks are required that are also included in the Novavit® Easy Mix BIO range.
- Novavit® Easy Mix BIO is certified by PANTONE® and therefore optimally suited to mix colour shades from the PANTONE® PLUS colour book. 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® EASY MIX BIO are high brilliance and very good setting properties.

Advantages of Novavit® Easy Mix BIO

- Ready-to-print no addition of drier and/or antidrier.
- Useable on all absorbent substrates.
- PANTONE®-certified Colour shades can be mixed according to colour book formulations.
- Excellent colour intensity.
- High brilliance.
- Very fast setting.





| | | | Fast | Printing properties | | | | | | | | | | | | | | | |
|---|-----------------|------------|-------------|---------------------|---------|-----------------|--------|-----------------------|---|---|------------------|--------------------------|--------------------------|---|---------------------------------------|--|--|--|--|
| | | Opaqueness | 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® Easy Mix BIO | Article code | | | | | | | | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | | | |
| Yellow | VI60-100* | t | 5 | 3 | + | + | + | + | | | | acteristic acteristic | | | | <u> </u> | | | |
| Yellow 012 | VI60-112* | 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. | | | | | | | | | | |
| Orange 021 | VI60-221* | t | 5 | 3 | + | + | + | + | | | | | | | | | | | |
| Warm Red | VI60-300* | SO | 2-3 | 1 | + | +/- | - | - | | | | | | | | | | | |
| Red 032 | VI60-332* | SO | 5 | 3 | + | - | + | + | | | | | | | | | | | |
| Rubine Red | VI60-301* | t | 5 | 3 | + | + | - | - | | | | | | | | | | | |
| Rhodamine Red | VI60-302* | so | 4 | 3 | - | - | - | - | | Light fastness properties according to ISO | | | | | | | | | |
| Purple | VI60-400* | t | 4 | 2 | - | - | - | - | | 12040: from 1 (low) to 8 (high) Fastness properties according to ISO 2836: | | | | | | | | | |
| Violet | VI60-401* | t | 3-4 | 2 | - | - | - | +/-1 | += (| Good F | Resista | ince | cordin | g to IS | 0 283 | 6: | | | |
| Blue 072 | VI60-572* | t | 4 | 3 | - | - | - | - | | | Resist | | | | | | | | |
| Reflex Blue | VI60-500* | t | 3 | 2 | - | - | + | +/-1 | | - = Not Resistant Opaqueness: | | | | | | | | | |
| Process Blue | VI60-501* | t | 8 | 6-7 | + | + | + | + | o = opaque so = slightly opaque t = transparent | | | | | | | | | | |
| Green | VI60-600* | t | 8 | 6-7 | + | + | + | + | | · | | | | | | | | | |
| | | | | | | | | | | | nade o da doe | n label s not. | s will c | hange | but th | ie | | | |
| Black | VK10-9EM* | 0 | 8 | 8 | + | + | + | + | | | | | | | | | | | |
| Transparent White | VI60-000* | t | | | | | | | | | | | | | | | | | |
| - | _ | | | | | | | | ∗ Dep ■ | endin | g on th | ne prod | lucing | site | | | | | |
| Novavit® Easy Mix BIO New base colour inks** | Article code | | | | | | | | PLU: | | em, as | introdu of colo | | | | NE® | | | |
| Bright Red | VI60-333* | t | 3-4 | 2 | + | + | + | + | | | | | | | | | | | |
| Pink | VI60-340* | t | 7 | 6-7 | + | + | + | + | | | | | | | | | | | |
| Medium Purple | VI60-449* | t | 7 | 6 | + | + | + | - | | | | | | | | | | | |

You are welcome to contact us for further information.

VI60-509*

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Dark Blue

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| | Fastness properties/opaqueness | | | | | | | | Printing properties | | | | | | | | | | |
|--|--------------------------------|------------|-------------|------------|---------|-----------------|--------|-----------------------|---|--|--|----------------|--------------------------|---|---------------------------------------|--|--|--|--|
| | | Opaqueness | 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 | | | |
| Enlarged fastness properties Novavit® BCS BIO INTENSIVE | Article code | | | | | | | | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | | | |
| Resistant Yellow | VZ19-153* | t | 6-7 | 5-6 | + | - | + | + | 1 = Characteristic weakly expressed 7 = Characteristic strongly expressed | | | | | | | | | | |
| Resistant Warm Red | VZ19-363* | so | 3-4 | 2 | + | + | + | - | The assessment of the colour properties was | | | | | | | | | | |
| Resistant Rubine Red | VZ19-366* | t | 7 | 6 | + | + | + | - | made under standardised printing conditions. In individual cases, under special conditions, | | | | | | | | | | |
| Rst. Rhodamine Red | VZ19-369* | t | 7 | 5-6 | + | + | + | + | as in printing with very high ink densities, the classification of certain properties may be different. | | | | | | | | | | |
| Resistant Violet | VZ19-450* | t | 7 | 6 | + | + | + | + | unicient. | | | | | | | | | | |
| | | | | | | | | | | | Light fastness properties according to ISO 12040: from 1 (low) to 8 (high) | | | | | | | | |
| Inks for single printing Novavit® Easy Mix BIO | Article code | | | | | | | | Fastness properties according to ISO 2836: + = Good Resistance +/- = Partly Resistant - = Not Resistant | | | | | | | | | | |
| Blue 072 Extra | VI60-507* | t | 4 | 2 | - | - | - | +/- | 0 = 0 | Opaqueness: o = opaque so = slightly opaque t = transparent | | | | | | | | | |
| Reflex Blue Extra | VI60-505* | t | 3 | 2 | - | - | + | +/- | | ¹ Colour shade on labels will change but the caustic soda does not. | | | | | | | | | |

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 \ast Depending on the producing site

Drying properties Drying by oxidation and setting, duct-fresh.

Substrates Very well suited for gloss coated, matt coated and uncoated papers and board.

Hints for mixing spot colours

Due to its mono-pigmentation, Novavit® Easy Mix BIO is ideally suited for easy formulation and mixing of spot inks according to the formulations of the PANTONE® PLUS colour book.

All base colour inks can also be used for single printing.

As with the introduction of the PANTONE® PLUS system the colour book was extended by 336 shades, the Novavit® Easy Mix BIO range was completed with 4 additional base colour inks that are required for this purpose.

The series is complemented by 5 mono-pigmented base colour inks with specific fastness properties of the Novavit® BCS BIO INTENSIVE series. This enables mixing of inks that must meet, for example, special fastness requirements because of desired surface finishing, such as water-based or UV varnishing. These 5 inks, which are marked with "Resistant", have excellent mixing qualities because of their mono-pigmentation. However, they are not equivalent to PANTONE® base colour inks. Therefore, they are only suited to a limited degree for single printing and the formulations of the PANTONE® PLUS colour book cannot be adopted in all instances of mixing with these inks.

The Novavit® Easy Mix BIO series is completed with 2 highly concentrated shades of blue with the suffix "Extra". These colours were designed for single printing and enable an intensive colour effect with film weights. They are not suited for mixing according to the formulations of the PANTONE® PLUS colour book.

Additives BCS Reducer BIO 19 789 - thinner

To adapt viscosity and tack 1 - 3 % can be added.

Exceptions Not for use on food packaging without functional barrier.

Further information For further information please refer to our Technical Review "Resistance requirements for surface

finishing".

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