



*Rely on us.*SM

Novaboard® C 990 PROTECT BIO

The rub-resistant series in BIO-quality for perfecting

K+E® standard process inks for sheetfed offset

Product Features

- Novaboard® C 990 PROTECT BIO is a colour-intense, very rub-resistant process ink series, based on renewable raw materials, with very fast oxidative drying properties. The series is completed by a special black - Novaboard® 994 PROTECT LT BIO - which is especially formulated for use on very picking sensitive substrates.
- It is optimally suited for perfecting on fast running multi-colour printing presses.
- Due to a new binder system an excellent ink-water stability is combined with reduced misting properties especially at high printing speeds.

Advantages of Novaboard® C 990 PROTECT BIO

- Highest rub resistance.
- Very well suited for all kind of substrates – especially for picking sensitive papers.
- Fastest oxidative drying.
- Rapid and reliable further processing.
- Excellent printability also on perfecting presses.
- Newest binder technology with optimised ink-water stability.
- High process stability.



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Novaboard® C 990 PROTECT BIO



	Fastness properties					Printing properties								
	Light fastness	Alcohol	Solvent mixture	Alkali	Hot-calendering	Dot gain	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
Novaboard® C990						6	6	5	6	7	6	7	7	7
Novaboard® 1 C 990 PROTECT BIO Yellow	5	+	+	+	+	1 = Characteristic weakly expressed 7 = Characteristic strongly expressed								
Novaboard® 2 C 990 PROTECT BIO Magenta	5	+	+	-	+	<p>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.</p>								
Novaboard® 4 C 990 PROTECT BIO Cyan	8	+	+	+	+									
Novaboard® 990 PROTECT BIO Black, fast blue-toned	8	+	+	+	+									
Novaboard® 994 PROTECT LT BIO Black, fast blue-toned	8	+	+	+	+									
	<p>Light fastness properties according to ISO 12040: from 1 (low) to 8 (high)</p> <p>Fastness properties according to ISO 2836: + = Resistance provided - = Resistance not provided</p>													

Drying properties

Partly duct-fresh.

Substrates

Optimally suited for matt, gloss coated papers as well as uncoated papers and board.

Remarks

Due to its partly duct-fresh setting, Novaboard® C 990 PROTECT BIO provides an excellent compromise between conventional duct-fresh and oxidative drying. Thanks to the low tack property the series is ideally suited for all kind of substrates, particularly for picking sensitive papers. Novaboard® 994 PROTECT LT BIO Black is recommended for use on very picking sensitive papers. Suited for printing work corresponding to ISO 12647-2.

Exceptions

Not for use on food packaging without functional barrier.

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