

# **K+E® black inks with specific properties for sheetfed offset**


## **Range overview**

### **K+E® black inks with specific properties**

- Apart from our K+E® process black inks, numerous black inks with specific properties and for special areas of application extend our product portfolio.
- Our range is as diverse and variable as your daily printing challenges and offers ideal properties for almost all demands: from black inks that feature specific depth of shade to black inks that offer specific drying properties for use on fast running perfecting presses.
- In Stuttgart Germany, K+E® process inks are manufactured in one of the world's most modern production sites, where all processes from raw material handling to the end product are combined under one roof.
- In our centre of excellence in Stuttgart, specialists for pigments, binding agents, additives and varnishes can be called upon at any time – an invaluable advantage when the market is demanding quick and innovative solutions.
- For further information about our process black inks that are not listed in this brochure, please refer to our overview brochure for process inks, or to the individual product literature of the respective process ink series.
- Please contact us if you have questions about our black inks – we'll be glad to help!

# K+E® black inks for sheetfed offset



	Product features	Fastness properties				Printing properties										
		Light fastness	Alcohol	Solvent mixture	Alkali	Depth of shade	Dot gain	Gloss	Setting	Oxidative drying	Rub resistance	Rapid further processing	Suitability for glossy coated papers/board	Suitability for uncoated papers/board	Suitability for matt coated papers/board	
Deep black – duct-fresh																
Novastar® 744	Deep black. High gloss. High brilliance. Well suited for perfecting. Low tendency to build-up on the impression cylinder.	8	-	-	+	6	6	5	5	5	6	5	7	5	5	
Novastar® 776 DEEP SPACE	Very deep black. High gloss. High brilliance. Very fast setting. Provides all fastness properties, suitable for surface finishing. Good rub resistance.	8	+	+	+	7	7	6	6	5	6	6	7	5	6	
Novastar® 777 DEEP SPACE	Very deep black. High gloss. High brilliance. Very fast setting. Good rub resistance.	8	-	-	+	7	7	6	6	5	6	6	7	5	6	
Skinnex – roller-fresh																
Novavit® 172 W SKINNEX	Roller-fresh. Ideally suited for coated papers, partly suited for uncoated papers and board. Low tack. Good suitability for picking sensitive and low weight substrates.	8	-	-	+	5	5	5	7	3	4	5	7	5	4	
1 = Characteristic weakly expressed 7 = Characteristic strongly expressed																
The stated blacks are not for use on food packaging without functional barrier. They are suited for printing work corresponding to ISO 12647-2. 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.																
Light fastness properties according to ISO 12040: from 1 (low) to 8 (high) Fastness properties according to ISO 2836: + = Resistance provided - = Resistance not provided																

You are welcome to contact us for further information.

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Product features		Fastness properties				Printing properties									
		Light fastness	Alcohol	Solvent mixture	Alkali	Depth of shade	Dot gain	Gloss	Setting	Oxidative drying	Rub resistance	Rapid further processing	Suitability for glossy coated papers/board	Suitability for uncoated papers/board	Suitability for matt coated papers/board
<b>Fast oxidative drying</b>															
<b>Novavit® 133 RTW</b>	Fast oxidative drying. Suitable for wet-on-wet applications on gold and silver metallic inks.	8	+	+	+	5	4	3	4	7	7	4	7	7	7
<b>Novagloss® 191 S+W</b>	High gloss black. Suitable for perfecting on 1/1 colour presses. Rapid further processing.	8	-	-	+	5	5	5	6	7	7	7	7	6	6
<b>Novagloss® 195 RT</b>	Very fast oxidative drying. High gloss. Good rub resistance.	8	-	-	+	6	7	5	6	7	7	7	7	6	7
<b>Novaboard® 188</b>	Fast oxidative drying. Very good rub resistance. Fast setting.	8	-	-	+	5	7	5	5	7	7	7	7	7	7
<b>Perfecting presses – duct-fresh</b>															
<b>Novavit® 919 SUPREME BIO</b>	Based on renewable raw-materials. Fast setting. Excellent print sharpness. Rapid further processing. Good rub resistance.	8	-	-	+	6	7	6	6	5	6	5	7	5	6

1 = Characteristic weakly expressed 7 = Characteristic strongly expressed

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Light fastness properties according to ISO 12040: from 1 (low) to 8 (high)

Fastness properties according to ISO 2836: + = Resistance provided - = Resistance not provided

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<div>Smalloffset</div> <div> <div>Offset Black 110</div> <div> Dries by penetration only, therefore longer drying times compared to standard offset inks.  Suitable for indirect letterpress as well as letterpress. </div> </div> <div> <div>Continuous stationery printing</div> <div> <div>Novaform® 612</div> <div> Based on renewable raw-materials. Especially for continuous stationery printing.  Suitable for laser application.  High colour strength. </div> </div> </div>															

1 = Characteristic weakly expressed
7 = Characteristic strongly expressed
\* = when printed in sheetfed offset and adding a drying agent

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