

# TECHNOLOGY NEWS

J+S presents Impact<sup>2</sup>, the new ink system without cobalt siccatives

## What are cobalt siccatives?

Cobalt siccatives are additives in offset ink that accelerate chemical curing of the colour film.

## Why should cobalt siccatives be abandoned?

Although cobalt can be found in the environment and even in the human body, many compounds that contain cobalt are toxic, endanger the environment and are consequently registered on many exclusion lists. Further tests of the cobalt siccatives in offset inks are still pending, however, it is expected that they will be classified as CMR-substances and therefore excluded from being a component of printing inks within the next years.

## Which alternatives does Jänecke + Schneemann offer you?

To improve our product safety even further, Jänecke + Schneemann has developed Impact<sup>2</sup>, an offset ink series without cobalt which still accomplishes the same quality as conventional offset inks with cobalt siccatives. For this purpose, our labs have tested the applicability of many high-quality alternative substances and discovered an ideal solution. In order to facilitate the upcoming conversion, you can test Impact<sup>2</sup> now and profit from the advantage to be the first to print with and get used to cobalt-free inks.

An overview of our cobalt-free ink series:

Impact <sup>2</sup> Natural PC	Resistances according to DIN ISO 2836							Properties
	Process inks	Product code	light WS acc. DIN 16525	transparent/ opaque	sprit	nitro	alkali	+ cobalt-free
	Yellow	90B20	5	t	+	+	+	+ duct fresh
	Magenta	90B21	5	t	+	+	-	+ pigmentation according to ISO 12647-2
	Cyan	90B22	8	t	+	+	+	+ quick setting
	Black	90B23	8	o	-	-	+	+ natural based
	Black V	90B24	8	o	+	+	+	+ ideally suited for inline coating
								Packaging size
								2,5kg vacuum tin
								other sizes on request

Impact <sup>2</sup> Set	Resistances according to DIN ISO 2836							Properties
	Process inks	Product code	light WS acc. DIN 16525	transparent/ opaque	sprit	nitro	alkali	+ cobalt-free
	Yellow	92B20	5	t	+	+	+	+ duct fresh
	Magenta	92B21	5	t	+	+	-	+ very fast setting
	Cyan	92B22	8	t	+	+	+	+ suitable for all modern perfecting machines
	Black	92B23	8	o	-	-	+	+ good machine stability
	Black V	92B24	8	o	+	+	+	+ perfectly suitable for inline-varnish
								Packaging size
								2,5kg vacuum tin
								other sizes on request

This technical information has only an advisory character and complies with our current state of knowledge. 08/2012