

Luscious and migration harmless: The mixing system BoFood MH CMS for packaging printing

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The pioneers of migration harmless printing at Epple Druckfarben AG attended to develop luscious colours being both environmentally and consumer friendly. The patented result and mixing system is called BoFood MH CMS. Packaging printers are able to meet short-term requests of their customers for special colours to print on primary food packaging. With an ink system that has left behind the current discussions about mineral oil residues long ago.

„We have developed an ink system for package printing that unites fast mixing with brilliant look, environmental and consumer protection.“ Helmut Fröhlich leads the Coloristic Department at Epple Druckfarben AG in Neusäß and his profession is colour composition. BoFood MH CMS is the name of the newly patented, migration harmless ink mixing system. Right from the start it has been really well received in the market: „Numerous printers have switched their entire ink system to the migration harmless and mineral oil-free inks of Epple’s BoFood MH.“, explains Fröhlich. Beside legal requirements, BoFood MH CMS-inks of course meet the three fundamental technical requirements for food packaging: scent reduced, swelling reduced and migration reduced. Thereby, Epple remains true to itself standing for highest quality printing inks, resulting from carefully selected raw materials and innovative mixing processes. With exquisite basic inks and an exact implementation of formulations, BoFood MH CMS delivers impressive results.

Highlight fastness for strong colours

BoFood MH CMS inks are migration harmless and fulfil all conditions with respect to food law. In contrast to conventional low migration systems, they show absorption and a physical drying. The potentially migrating components are food or food additives themselves. The advantage in printing technology is now joined by the intensive colour quality. For this purpose, Epple has optimised two parameters: the layer thickness and the composition of the component ink. By reducing the layer thickness, the ink is much

better to print. This is followed by a varnish application. „As the varnish sinks only slightly, it offers more rub resistance and a better slippage”, colour expert Fröhlich explains. „For the CMS mixing circuit, we composed a mono-pigmented system. It shines with special pigments that have higher light fastness in the ranges of yellow, red and orange.“

The whole supply chain benefits

Printers, branded companies, customers: BoFood MH CMS enables a win-win-situation. The branded company receives from the printer promotional packaging that sends out buying signals with absolute colour brilliance and unrivalled light fastness in the red shades. The customer can be sure to have an environmental- and customer-friendly packaging. If the printer combines BoFood MH CMS for outside package printing with BoFood Organic for inside package printing, he can offer his customers one of the most innovative packages in the world as concerns printing technology.

Caption

Epple has shaped the conversion in package printing towards low migration inks – like now with BoFood MH CMS.





COMPANY INFORMATION

Epple Druckfarben AG stands for pure perfection in every detail. Since 1889 Epple has been representing constant progress and highest quality standards. As one of the leading producers of sheetfed offset inks, Epple has demonstrated its innovative strength by the early development of mineral oil-free eco series and special ink types for very long intervals between wash-ups in perfecting.

Innovation is shown once more in the sector of inks for food packaging with the patented and patent-pending products BoFood MH and BoFood Organic.

For the medium-sized family business, flexibility is given high priority. Like hardly any other company, Epple is able to offer customized solutions for the individual requests of its clients worldwide.

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