

BoFood® MH CMS Mixing System

migration harmless

This series meets product wise all three requirements on food packaging. These are:

Scent reduced, swelling reduced and migration reduced/harmless

BoFood® MH CMS inks are migration harmless. This means that in contrast to traditional low migration systems they show absorption and therefore a physical drying. Typographical they are therefore clearly superior to the classical low migration systems. And yet they fulfil all legal requirements in terms of food safety as the absorbing and therefore potential migrating components are foodstuffs or food additives themselves. This enables the usage of BoFood® MH CMS ink also for the production of primary food packaging. The requirement of scent reduction calls for binding agents which do not comply with the common demands for rub resistance. Therefore dispersion varnishing is strictly necessary for all printing jobs with BoFood® MH CMS. The principal application is mainly the printing of primary packaging for flavour sensitive filling.

Properties:

- Scent reduced: yes
- Swelling reduced: yes
- Migration harmless: yes

Due to these properties all requirements towards total migration (< 60 ppm) as well as the specific migration (< 10 ppb) for non-evaluated substances can be fulfilled product wise. A barrier coating in order to comply with the legal demands of the regulation 1935/2004 EG is not necessary product wise.

- Mineral oil free: yes
- Absorption: yes
- Primary food packaging: appropriate
- Dispersion varnishing: necessary

Conformity with 1935/2004 EG

The confirmation of an independent institute in regard to conformity of printing with BoFood® MH inks is available.

INK DESCRIPTION / FASTNESSES

		Light Fastness	Alcohol	Solvent Mixture	Alkali	Opacity	Dispersions varnish
BoFood® MH CMS Yellow	121250	5	+	+	+		+
BoFood® MH CMS Yellow	121251	6	+	+	+		+
BoFood® MH CMS Yellow	121252	7	+	+	+		+
BoFood® MH CMS Orange	121253	6	+	+	+		+
BoFood® MH CMS Orange	121254	7	+	+	+		+
BoFood® MH CMS Red	121255	5	+	-	+		+
BoFood® MH CMS Red	121256	7	+	+	+		+
BoFood® MH CMS Red	121257	5	+	+	-		+
BoFood® MH CMS Red	121258	6	+	+	+		+
BoFood® MH CMS Purple	121259	7	+	+	+		+
BoFood® MH CMS Violett	121260	7	+	+	+		+
BoFood® MH CMS Blue	121261	8	+	+	+		+
BoFood® MH CMS Green	121262	8	+	+	+		+
BoFood® MH CMS Black	121263	8	+	+	+	d	+
BoFood® MH CMS Trans.-White	121264						+

Legend + = yes - = no | = transparent d = opaque ld = slightly opaque bd = conditionally

Fastness properties according to:

Lightfastness:	DIN ISO 12040:1998-01	Alcohol/Spirit:	ISO 2836
Solvent Mixture/Nitro:	ISO 2836	Alkali/Alkali:	ISO 2836

This technical instruction sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.