

# Technical Information

16.S.026 | Conventional Offset Systems | Spot Colour Inks, Mixing Systems

## CRS<sup>max</sup> Additives and Auxiliaries

Approved additives and auxiliaries listing, including information about suitability for the different binder systems – mineral oil- and cobalt-free



The mixing system CRS<sup>max</sup> provides spot colour inks for offset printing with many binder variants. In case of any doubt about the binder variant in use for your system, please make sure to find accurate information prior to ordering or mixing.

Required additives may be integral compound of a spot colour recipe, e.g. dryers for the binder variants QX, QFX or MGA Label which would, in their absence, prevent the mixed ink from drying. Auxiliaries are usually added for adapting certain ink properties to the specific processing requirements. The liquid dryer 10T7780 can also be used for spot inks, certified to the guidelines of Nordic swan.

### Mandatory additives:

Additive		CRS <sup>max</sup> version					
Product name	Sales code	QX	QFX	MGA NATURA	MGA CORONA	MGA Label NX	
CRSmax DRIER	10 T 7780	4,0%	-	-	-	-	
MGA LABEL Monsun Dryer	10 ML 7267	-	6,3%	-	-	6,3%	

### Further suitable auxiliaries:

If necessary, it is possible to add following auxiliaries for changing the inks character. We recommend not to pass maximum dosage. Please use only the approved auxiliaries.

Auxiliary		CRS <sup>max</sup> version					
Product name	Sales code	QX	QFX	MGA NATURA	MGA CORONA	MGA Label NX	Dosage
MGA LABEL INK ACTIVE DRYER <sup>1</sup>	10 ML 5002	▪	▪			▪	max. 1,5%
MGA Wax Paste <sup>2</sup>	10 MGA 4100	▪	▪	▪	▪		max. 3%
Print Oil – mineral oil-free <sup>3</sup>	10 T 1405	▪	▪				max. 3%
MGA NATURA Print Oil <sup>3</sup>	10 MGA 1405P			▪			max. 3%
MGA CORONA Print Oil <sup>3</sup>	10 MGA 1405D				▪		max. 3%
MGA LABEL Print Oil <sup>3</sup>	10 ML 1405					▪	max. 3%
MGA Thixoprint <sup>4</sup>	10 MGA 9998	▪	▪	▪	▪		max. 5%

<sup>1</sup> Ink Active Dryer: special auxiliary drying agent for ink systems used on less-and non-absorbent substrates

<sup>2</sup> Scuff Protection Paste: improves the rub resistance of sheet-fed offset inks

<sup>3</sup> Print Oil: reduces the tack and the viscosity

<sup>4</sup> Thixoprint: paste to reduce the tack and the viscosity of printing ink

## Additional Information

With respect to MGA inks the use of the additives and auxiliaries recommended in this technical information up to the amount specified therein has no influence on the use as FCM-ink (Food Contact Material ink) and has already been taken into account in the respective Statement of Composition (SoC).

Additives must be used exactly in the concentration as specified in the application instructions. Auxiliaries usually come with a recommendation for a range of addition.

In general, oils are more difficult to mix than pastes.

**Recommended ranges of concentration must not be exceeded. Properly control mixing and assure thorough homogeneity.**

### NOTE OF CAUTION

In case of using additives / auxiliaries for binder variants which are not recommended, the properties of the ink system can suffer such significant change, that its use for print production can result in complete devaluation of the printed matters. The suitability of the items on the list is indicated by a dot in the respective column of the binder variant. Combinations which are not marked as recommended or required must be avoided and will cause forfeiture of all guarantee and liability.

Regarding all other properties, especially those for printing food packaging, please refer to our

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16P007 MGA NATURA 5250

16P043 MGA CORONA 5200

16P039 MGA LABEL 2100

## Classification

Safety data sheet is available on request.