

## 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. The list of variants and their properties can be taken from the product brochure in all detail. 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.

Additives may be integral compound of a spot colour recipe, e.g. driers 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 dryer, used in the QX and QFX system is also able to be used for materials in correspondence to toy guidelines 2009/48EG and their amendments. The liquid dryer 10T7780 can also be used for spot inks, certified to the guidelines of Nordic swan.

### Mandatory auxiliaries:

Additive / Auxiliary		CRS <sup>max</sup> binder variant				
Name	Order #	QX	QFX	MGA NATURA	MGA CORONA	MGA Label NX
CRSmax Drier	10 T 7780	4,0%	-	-	-	-
Monsun	10 T 7266	-	6,3%	-	-	-
MGA Label Monsun	10 ML 7266	-	-	-	-	6,3%

### Further suitable additives:

If necessary, it is possible to add following additives for changing the inks character. We recommend not to pass maximum dosage.

Additive / Auxiliary		CRS <sup>max</sup> binder variant					Dosage max. in %
Name	Order #	QX	QFX	MGA NATURA	MGA CORONA	MGA Label NX	
Ink Active Drier <sup>1</sup>	10 T 5002	■					max. 3%
Scuff Protection Paste <sup>2</sup>	10 MGA 4100	■	■	■	■		max. 3%
Print Oil <sup>3</sup>	10 T 1405	■	■				max. 3%
Thixoprint <sup>4</sup>	10 T 9998	■	■				max. 5%
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 Thixoprint <sup>4</sup>	10 MGA 9998			■	■		max. 5%
MGA Label Print Oil <sup>3</sup>	10 ML 1405					■	max. 3%

<sup>1</sup> Ink Active Drier: 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

Please follow the application instructions of the single product data sheets.

Additives must be used exactly in the concentration as specified in the application instructions. Auxiliaries usually come with a recommendation for a range of admixture. As a rule of thumb, as little as possible and as much as required should be used.

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

**Recommended ranges of concentration may 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 disturbance, 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.