

From colour request to final ink in real time



1

Choose a colour or a sample to match. Consider the substrate that is finally used.



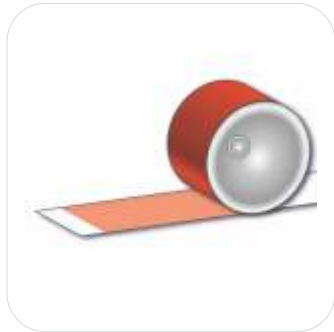
2

Measure the sample, specify the resistance and calculate a formula.



3

Weigh the CRS^{max} components for mixing a 10 g sample.



4

Mix components and make proof prints with correct ink weight per area.



5

Check the proof print and return to second step, until deviation is within tolerance.



6

Blend the calculated quantity of printing ink with the desired resistances.

You can find and visit all the companies that make up the **hubergroup** at:

www.hubergroup.com



More than just ink ...



Resistance property control

Inventory control

Easy mix

Digital colour communication

Ink/substrate adaptations



Our philosophy with CRS^{max}

In CRS^{max} we have achieved highest colour gamut to meet the most extreme colour matching requirements. Wide palette of base colours allows maximum end applications with one set of colour concentrates. Choosing a suitable base inks assortment is of paramount importance in order to set the foundation for a convenient mixing process.

CRS^{max} comprises of print ready, mono-pigmented base colour inks with highest pigment concentration and individual fastnesses, plus additives for specific applications. On top, this mineral oil-free system comes with a list of added values and services, completing the package to the most comfortable and technically advanced mixing system in the industry.

Your benefits with CRS^{max}

CRS^{max} allows for full control on the fastnesses that are required during printing, finishing and life cycle of a print product, while traditional colour communication systems leave this topic mostly unattended. Here is the list of the most important benefits of CRS^{max}:

- Individual control of all the fastnesses.
- Fast and safe matching of spot colour inks, offering flexibility and speed for the jobs to run within optimised schedules.
- Smart opportunity to reduce left-over inks, because added quantities for safety are not needed and minimum order quantities do not apply.
- Convenient options to rework left-over inks that have been mixed with CRSmax base inks.
- Reduction of ink stock from uncountable spot colours to the few base colours.
- Ability to switch between different vehicle systems (binder options) using the same recipe.

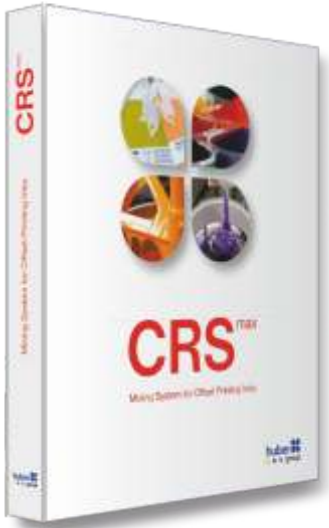
Mineral oil-free system

More than just ink ...

Your satisfaction is very important to us and for this reason we offer the best available technical solution, commercial benefits and superior quality. In addition to that, you receive unequalled added value with our ink mixing system:

- Consulting for all scenarios of ink mixing
- First quality base data for formulation software
- Changeover service on and off-site
- Recurring quality audit on site
- Enhanced in ink management options
- CRS^{max} file-folder with comprehensive documents for training and information

This folder contains a collection of scientific information, process descriptions, best practice recommendations and product feature details. It is a most comprehensive and profound compilation about all the helpful facts for successfully matching and mixing spot colour inks, especially valuable for training new staff members or employees filling in for vacation time.



Each folder is registered to its owner and is updated whenever changes become effective. Due to its high value, it is covered by protective charge and is only available to CRS^{max} customers.

Binder option in system portfolio




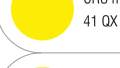
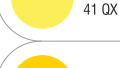



QX oxidative drying and setting, stay open (duct fresh) version for absorbent substrates. This version is for automatic dispensing systems and contains no drier. Drier has to be added as a separate component.









Application range


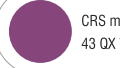
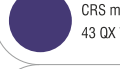





CRS^{max} is usable for a variety of applications. Based on the specified requirements, a suitable range of base inks compiles the system components.

MGA purely setting, print ready, low migration and low odour special version, for packaging printing on the outer side of absorbent substrates. Water-based top-coating is mandatory. Please replace standard black for MGA with special black.

Full range of bases: Entire range of 26 CRS^{max} base inks, mostly with excellent fastness properties for applications which requires special resistance





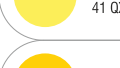



	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Black 49 QX 7700A	d	8	+	+	+
	CRS max Yellow 41 QX 7701A	ld	7	+	/	+
	CRS max Yellow 41 QX 7702A	I	5	+	+	+
	CRS max Yellow 41 QX 7703A	I	5	+	+	+
	CRS max Yellow 41 QX 7727A	I	7	+	+	+
	CRS max Yellow 41 QX 7732A	I	6	+	+	+
	CRS max Orange 41 QX 7704A	I	5	+	+	+
	CRS max Orange 41 QX 7728A	I	7	+	+	+

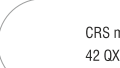







	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Warm Red 42 QX 7730A	I	3	+	/	-
	CRS max Magenta 42 QX 7707A	I	5	+	+	-
	CRS max Magenta 42 QX 7708A	I	5	+	+	-
	CRS max Rhodamine 42 QX 7711A	I	4	-	-	-
	CRS max Red 42 QX 7706A	I	6	+	/	+
	CRS max Red 42 QX 7712A	I	7	+	+	+
	CRS max Red 42 QX 7734A	I	5	+	+	+
	CRS max Red 42 QX 7709A	I	5	+	/	+




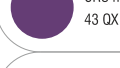
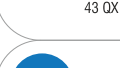



	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Red 42 QX 7731A	I	7	+	+	+
	CRS max Purple 43 QX 7715A	I	4	-	-	-
	CRS max Violet 43 QX 7717A	I	4	-	-	-
	CRS max Violet 43 QX 7726A	I	7	+	+	+
	CRS max Blue 43 QX 7719A	I	4	-	-	-
	CRS max Blue 43 QX 7720A	I	8	+	+	+
	CRS max Reflex Blue 43 QX 7718A	I	4	-	-	+
	CRS max Green 44 QX 7722A	I	8	+	+	+

Legend I = translucent d = opaque ld = slightly opaque + = Yes - = No / = conditionally




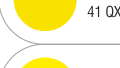




For printed matters with water-based coating : 18 applicable CRS^{max} base inks with resistance to the light alkali character of water-based coatings.




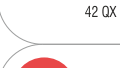




	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Black 49 QX 7700A	d	8	+	+	+
	CRS max Yellow 41 QX 7701A	ld	7	+	/	+
	CRS max Yellow 41 QX 7702A	I	5	+	+	+
	CRS max Yellow 41 QX 7703A	I	5	+	+	+
	CRS max Yellow 41 QX 7727A	I	7	+	+	+
	CRS max Yellow 41 QX 7732A	I	6	+	+	+
	CRS max Orange 41 QX 7704A	I	5	+	+	+
	CRS max Orange 41 QX 7728A	I	7	+	+	+



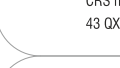
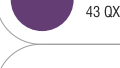



	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Warm Red 42 QX 7730A	I	3	+	/	-
	CRS max Magenta 42 QX 7707A	I	5	+	+	-
	CRS max Magenta 42 QX 7708A	I	5	+	+	-
	CRS max Rhodamine 42 QX 7711A	I	4	-	-	-
	CRS max Red 42 QX 7706A	I	6	+	/	+
	CRS max Red 42 QX 7712A	I	7	+	+	+
	CRS max Red 42 QX 7734A	I	5	+	+	+
	CRS max Red 42 QX 7709A	I	5	+	/	+

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	CRS max Purple 43 QX 7715A	I	4	-	-	-
	CRS max Violet 43 QX 7717A	I	4	-	-	-
	CRS max Violet 43 QX 7726A	I	7	+	+	+
	CRS max Blue 43 QX 7719A	I	4	-	-	-
	CRS max Blue 43 QX 7720A	I	8	+	+	+
	CRS max Reflex Blue 43 QX 7718A	I	4	-	-	+
	CRS max Green 44 QX 7722A	I	8	+	+	+

For prints with U.V. coating or film lamination: 16 applicable CRS^{max} base inks with highest fastness properties towards solvents and ingredients of U.V. coatings and glues for film lamination.

	sales code	Opacity	Light	Spirit	Nitro	Alkali
	CRS max Black 49 QX 7700A	d	8	+	+	+
	CRS max Yellow 41 QX 7701A	ld	7	+	/	+
	CRS max Yellow 41 QX 7702A	I	5	+	+	+
	CRS max Yellow 41 QX 7703A	I	5	+	+	+
	CRS max Yellow 41 QX 7727A	I	7	+	+	+
	CRS max Yellow 41 QX 7732A	I	6	+	+	+
	CRS max Orange 41 QX 7704A	I	5	+	+	+
	CRS max Orange 41 QX 7728A	I	7	+	+	+

	sales code	Opacity	Light	Spirit	Nitro	Alkali
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	CRS max Magenta 42 QX 7708A	I	5	+	+	-
	CRS max Rhodamine 42 QX 7711A	I	4	-	-	-
	CRS max Red 42 QX 7706A	I	6	+	/	+
	CRS max Red 42 QX 7712A	I	7	+	+	+
	CRS max Red 42 QX 7734A	I	5	+	+	+
	CRS max Red 42 QX 7709A	I	5	+	/	+

	sales code	Opacity	Light	Spirit	Nitro	Alkali
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	CRS max Violet 43 QX 7717A	I	4	-	-	-
	CRS max Violet 43 QX 7726A	I	7	+	+	+
	CRS max Blue 43 QX 7719A	I	4	-	-	-
	CRS max Blue 43 QX 7720A	I	8	+	+	+
	CRS max Reflex Blue 43 QX 7718A	I	4	-	-	+
	CRS max Green 44 QX 7722A	I	8	+	+	+