



ORGANIC PIGMENTS FOR PRINTING INKS

www.unioncolours.com



Strength through Experience

Technical Competence ...



MAKING IS THE DIFFERENCE

Union Colours is a wholly owned international division of the Longyu Pigment and Chemicals Corporation, the largest Organic Pigment manufacturer in China. First established in 1980, our parent group has grown to be a major force in the production of Organic pigments.

The main production site in China is situated at an industrial park in Changzhou, Jiangsu. Here we manufacture the bulk colour lines to internationally required standards that are used in Printing Inks, Coatings and Plastics. With continuous investment in new plant and technology the plant is modern, efficient and exceeds all local, regional and national environmental requirements. Our pigment dispersions plant is also in China, where we manufacture our range of Unicol brand aqueous pigment dispersions.

Whilst having substantial production capacity, the factory is supported by satellite units which produce the lesser volume high performance colour lines.

Our technical activities are global, steered from our purpose built Technical Centre in the United Kingdom, we have development and testing capabilities on three continents. This allows us to bring together our customers, development, manufacturing and quality control, resulting in a robust, sustainable supply chain and product improvement programme.

Since the foundation of the company in 2003 we have been engaged in a technically led campaign to improve the performance of our products. The continued success of this development programme is resulting in us increasingly being considered as one of the market leaders.

'Strength through Experience'














KEY TO QUICK REFERENCE GUIDE:

- Recommended
- Potential Use

	UC Brand Name C.I Name	UC Code	Type	Description	LIQUID INKS					PASTE INKS				
					Aqueous	Nitrocellulose	PU	PVB	UV-Curing	Sheet fed	Cold set	Heat set	Metal Deco'	Screen
	Sinfast Yellow Yellow 155	1135-001	Bisaceto-acetylalide	Green shade, opaque and strong. Recommended where higher fastness properties are a requirement.	●				●		●		●	●
	Sincol Yellow Yellow 174	1128-D62	Diarylide	'Process yellow', highly transparent excellent flow in sheet fed and UV flexo.					●	●				
	Sincol Yellow Yellow 174	1128-G21	Diarylide	'Process yellow', highly transparent, economical.						●	●	●		
	Sinfast Yellow Yellow 185	1184-001	Isoindoline	Greenish shade, high strength. Recommended where higher fastness properties are a requirement.		●		●		●				
	Sincol Orange Orange 5	2166-001	B-Naphthol	Reddish shade, opaque, for aqueous inks / dispersions and screen inks.	●									●
	Sincol Orange Orange 13	1151-003	Disazo-pyrazolone	Yellow shade, strong, semi-opaque for aqueous inks and dispersions.	●									
	Sincol Orange Orange 13	1151-005	Disazo-pyrazolone	Yellow shade, semi-opaque for sheet fed and UV flexo.	○				●	●				
	Sincol Orange Orange 34	1156-002	Disazo-pyrazolone	Red shade, semi-opaque for aqueous inks and dispersions.	●						○			
	Sincol Orange Orange 34	1156-G34	Disazo-pyrazolone	Reddish shade, highly transparent with excellent rheology in NC and UV flexo inks.	○	●			●	○				
	Sincol Orange Orange 34	1156-G40	Disazo-pyrazolone	Reddish shade (yellower than G34) Highly transparent, with excellent rheology in NC and UV flexo inks.	○	●			●	○				
	Sinfast Red Red 2	3130-002	Naphthol AS	Yellow shade, strong, semi-opaque for aqueous and UV flexo inks.	●				●	○				
	Sincol Rubine Red 48:2	3120-003	BONA, Ca	Mid shade, transparent with good gloss for NC inks and selected aqueous inks.	○	●								
	Sinlake Red Red 53:1	3110-005	B-Naphthol Ba	Yellow shade with good strength & gloss, for NC, aqueous, sheet fed, PU and UV flexo inks.	●	●	●	○	●	●				○
	Sinlake Red Red 53:1	3110-G50	B-Naphthol Ba	Clean yellow shade with good strength and gloss for Metal deco' and sheet fed inks.	○				○	●			●	
	Sincol Rubine Red 57:1	3160-006	BONA, Ca	Blue shade with good gloss and transparency recommended for NC and UV flexo inks.		●	○	○	●					

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	UC Brand Name C.I Name	UC Code	Type	Description	LIQUID INKS					PASTE INKS						
					Aqueous	Nitrocellulose	PU	PVB	UV-Curing	Sheet fed	Cold set	Heat set	Metal Deco'	Screen		
	Sinfast Red Red 184	3129-D35	Naphthol AS	Blue shade, excellent gloss and transparency in NC inks.		●										
	Sinfast Red Red 184	3129-D44	Naphthol AS	Blue shade, excellent gloss and transparency in PVB inks.	●		○	●								
	Sinfast Red Red 185	3136-002	Benzimidazolone	Bluish shade, for NC and aqueous inks, metal deco' and screen inks. Very good all-round fastness properties.	●	●								●	●	
	Sinfast Red Red 266	3132-D66	Naphthol AS	Mid-shade, good strength and stability, for aqueous inks and dispersions.	●											
	Sinco Blue Blue 15:3	4382-003	Cu Phthalo, β	Green shade, good flow, for sheet fed and screen inks.						●						●
	Sinco Blue Blue 15:3	4382-006	Cu Phthalo, β	Clean green shade, high strength, for aqueous inks & dispersions.	●				○							
	Sinco Blue Blue 15:3	4382-008	Cu Phthalo, β	Clean green shade, high strength, recommended for UV flexo inks.					●							
	Sinco Blue Blue 15:4	4392-002	Cu Phthalo, β	Very good gloss and transparency in NC inks.		●										○
	Sintone Violet Violet 3	6250-001	Triarylcarbonium	Blue shade, recommended for aqueous inks and dispersions.	●											
	Sintone Violet Violet 3	6250-005	Triarylcarbonium	Red shade, very good gloss and transparency in NC inks.		●										
	Sincar Violet Violet 23	6260-003	Dioxazin	Red shade, recommended for aqueous inks and dispersions.	●											○
	Sincar Violet Violet 23	6260-004	Dioxazin	Red shade, recommended for NC inks.		●	○		●							○
	Sintone Violet Violet 27	6270-001	Triarylcarbonium	Very clean blue shade, recommended for aqueous inks and dispersions.	●											

- Diarylide Pigments may decompose >200°C, see ETAD Notice No.2
- Product Technical Data Sheets are available on request.
- The information in this brochure is based on our current knowledge, information and experience. Responsibility or liability cannot be assumed for factors lying outside our knowledge and or control.



Water Treatment
Plant, China

“ As a preferred supplier we adopt strategies to ensure continuity of supply ”

In anticipation of environmental pressures we have already improved our production processes to optimise water utilisation and minimise effluents.

As a producer, sustainability is something we have to consider carefully going forward. If pigment makers and their raw material suppliers do not have in place adequate water treating facilities, then

local and national environmental laws will force these makers to cease production. In LONGYU we have taken this matter very seriously, and during 2012 we built a technically sophisticated water treatment facility. This new facility is treating effluents to standards exceeding the most stringent of controls, nationally and internationally.

This investment has also resulted in a marked increase to our production capacity. We now have the facility to safely manufacture in excess of 80,000 Metric Tonnes per annum of organic pigments.

With our capacity we are the largest sustainable source of organic pigments globally.

UK Headquarters
and Technical Centre



UK Development
Laboratory



China – Offices
& Laboratories



China – Pigment
Production line



India –
Technical
Centre



South Africa –
Laboratories



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