SINCOL CORPORATION

Masstone 深色	Tint 浅色	C.I.Name 颜料索引号	Code 编号	Type 类别	Description 产品特性	DECORATIVE Aqueous	DECORATIVE Solvent	INDUSTRIAL Solvent	INDUSTRIAL Powder	AUTO Re-Finish
		Sincol Yellow Yellow 1	1125-002	Arylide	Mid-shade,yellow with good fastness to light and chemicals.	●		●	●	
		Sincol Yellow Yellow 3	1104-D17	Arylide	Very green shade, used in aqueous and aliphatic solvent based decorative paints.	●	○	●		
		Sincol Yellow Yellow 65	1134-001 1134-002 1134-006 1134-007	Arylide	Red shade, recommended for various solvent and queous"lead free" road marking paints.	●	●	●		
		Sincol Yellow Yellow 65	1134-003	Arylide	Red shade, recommended for aqueous and solvent paints.	●	●	●		
		Sincol Yellow Yellow 74	1136-001	Arylide	Green shade, recommended for solvent and aqueous"lead free" road marking paints.	●	●	●		
		Sincol Yellow Yellow 74	1136-D25	Arylide	Mid-shade, recommended for aqueous pigment concentrates. Exhibits high strength with low viscosity and excellent stability.	●				
		Sincol Yellow Yellow 74	1136-D70	Arylide	Mid-shade, opaque. For aqueous and solvent based decorative paints, and selected industrial applications.	●	●	○	○	
		Sincol Yellow Yellow 75	1137-001	Arylide	Mid-shade, recommended for solvent and aqueous"lead free" road marking paints.	●	●	●		
		Sinfast Yellow Yellow 83	1160-004	Diarylide	Red shade, for general industrial finishes, and 'lead free' road marking paints.	●		●		
		Sinfast Yellow Yellow 83	1160-006	Diarylide	Red shade, recommended for "lead free" thermo plastics road marking paints.	●		●	●	
		Sinfast Yellow Yellow 83	1160-192	Diarylide	Red shade, recommended for "lead free" thermo plastics road marking paints.	●		●	●	
		Sinfast Yellow Yellow 110	1110-002	Isoindolinone	Red shade, excellent fastness properties. Useful in combination with other high performance organic and inorganic yellows for industrial & architectural coatings.	●	●	●	●	●
		Sinfast Yellow Yellow 138	1148-001	Quinophthalone	Greem shade with excellent light and weather fastness in full/deep shades. Often used as base colour in industrial mixing schemes.	●	●	●	○	○
		Sinfast Yellow Yellow 139	1129-001	Isoindoline	Green shade, opaque. Very good fastness properties. Recommended as a middle chrome replacement in solvent based industrial finishes.		●	●	○	●
		Sinfast Yellow Yellow 139	1129-002	Isoindoline	Red shade, opaque. Very good fastness properties. Recommended as a middle chrome replacement in solvent based industrial finishes.		●	●	○	●
		Sinfast Yellow Yellow 151	1122-001	Benzimidazolone	Green shade, suitable as lemon chrome replacement in solvent based industrial finishes.	●	○	●	○	●
		Sinfast Yellow Yellow 154	1123-001	Benzimidazolone	Mid shade, excellent fastness to light and weathering. Recommended for high grade industrial and architectural coatings.	○	○	●	○	●
		Sinfast Yellow Yellow 155	1135-001	Bisacetoacetarylide	Mid shade, high strength. Very good fastness to light and weathering in full shades. Recommended for industrial finishes.			●	○	○
		Sinfast Yellow Yellow 184	2012-002D	Bismuth vanadate	Green shade with outstanding heat stability	●	●	●	●	●

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		Sinfast Yellow Yellow 194	2010-001	Benzimidazolone	Mid shade with excellent light fastness and good heat stability.	●	●	●	○	●
		Sincol Orange Orange 5	2166-001	β Naphthol	Red shade, economical orange for aqueous and aliphatic solvent based decorative paints.	●	●			
		Sinfast Orange Orange 36	1158-001	Benzimidazolone	Opaque, excellent light-fastness. Used as molybdate orange replacement for the production of 'lead free' industrial coatings.		●	●	○	●
		Sinfast Orange Orange 67	1187-001	Pyrazoloquinazolone	Yellow shade excellent light-fastness and good heat stabtlity			●	●	
		Sincol Scarlet Red 3	3138-D12	β Naphthol	Yellow shade, used in interior aqueous systems and aliphatic full shade decorative paints.	●	●			
		Sinfast Red Red 5	3107-G15	Naphthol AS	Blue shade, used in general industrial finishes and antifouling coatings.	●		●		
		Sincol Red Red 48:4	3126-001	BONA, Mn	Mid shade, used in combination with molybdate orange for economical industrial reds/marooms.			●		
		Sincol Red Red 48:4	3126-002	BONA, Mn	Very blue shade,Used in combinationuith molybdate orang for economical industric			●		
		Sincol Red Red 52:2	3263-001	BONA, Mn	Combiniation with molgbdate Red for auto refinish coatings					●
		Sinfast Red Red 112	3150-001	Naphthol AS	Mid shade, recommended for interior aqueous decorative systems.	●		●		
		Sinfast Red Red 112	3150-002	Naphthol AS	Mid shade, recommended for interior aliphatic solvent based decorative and industrial coatings.	●	●	●		
		Sindo Red Red 122	3122-001	Quinacridone	Blue shade, excellent fastness properties. Used in most decorative and industrial coatings as self shade and as a shading component of other organic reds.	●	●	●	○	●
		Sindo Red Red 122	3122-002	Quinacridone	Blue shade, excellent fastness properties. Used in most decorative and industrial coatings as self shade and as a shading component of other organic reds.	●	●	●	○	○
		Sindcon Red Red 166	3266-001D	Disazo Condensation	Yellowish shade,with very good light and weather fastness. Recommended for high grade industrial finishes,auto refinish and architectural coatings.	●	●	●		●
		Sinfast Red Red 170	3128-001	Naphthol AS	Blueish shade, good fastness properties, used in many economical industrial reds where high durability is not a requirement.		○	●	○	
		Sinfast Red Red 170	3128-002	Naphthol AS	Mid shade, opaque, very good light-fastness. Recommended for bright red 'lead free' industrial finishes.		○	●	○	○
		Sinfast Red Red 177	3157-001	Anthraquinone	Blue shade with excellent lightfastness and weather fastness,recommended for high grade industrial finishes and auto refinish.	●	●	●	○	●
		Sinper Maroon Red 179	3153-001	Perylene	Blue shade with excellent lightfastness and weather fastness,recommended for high grade industrial finishes and auto refinish.	●	●	●	○	●
		Sinfast Red Red 202	3202-001	Quinacridone	Blue shade red good fastness properties	●	●	●	○	●

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		Sinfast Red Red 208	3208-001	Benzimidazolone	Mid shade red,with good fastness properties	●	●	●	○	●
		Sinfast Red Red 254	3135-001	DPP	Blue shade with excellent lightfastness and weather fastness,recommended in all decorative and industrial coatings.	●	●	●	○	●
		Sinfast Red Red 254	3135-002	DPP	Blue shade with excellent lightfastness and weather fastness,recommended in all decorative and industrial coatings.	●	●	●	○	●
		Sindo Violet Violet 19	6219-001	Quinacridone	Blue shade, very good fastness properties. Often used with other organic and inorganic pigments as a shading component.	●	●	●	○	●
		Sindo Violet Violet 19	6219-002	Quinacridone	Red shade, bluer than 6219-003, recommended for aqueaus dispersions.	●	●	●	○	●
		Sindo Violet Violet 19	6219-003	Quinacridone	Red shade, very good fastness properties. Often used with other organic and inorganic pigments as a shading component.	●	●	●	○	●
		Sincar Violet Violet 23	6260-004	Dioxazin	Red shade, used in all decorative and industrial coatings as self shade or as a shading component of reds and blues and tinter of whites.	●	●	●	○	●
		Sinco Blue Blue 15:0	4322-001	Cu Phthalo	Red shade, excellent all round fastness properties,recommended for decorative coatings.	●				
		Sinco Blue Blue 15:1	4372-002	Cu Phthalo, α	Red shade, excellent all round fastness . properties. Recommended for solvent based industrial finishes.	○	○	●	○	○
		Sinco Blue Blue 15:1	4389-004	Cu Phthalo, α	Red shade, excellent all round fastness . properties. Recommended for solvent based industrial finishes.			●		●
		Sinco Blue Blue 15:2	4388-002	Cu Phthalo, α	Red shade, very good flocculation resistance. Used mainly in Industrial finishes.		○	●		○
		Sinco Blue Blue 15:3	4382-006	Cu Phthalo, β	Green shade, excellent all round fastness properties. Used in most decorative and selected industrial systems.	●	●	○		○
		Sinco Blue Blue 15:4	4392-001	Cu Phthalo, β	Green shade, excellent all round fastness properties. Used in most decorative and selected industrial systems.	●	●	○	○	○
		Sinco Blue Blue 15:6	4156-001	Cu Phthalo, ε	Red shade, very good flocculation resistance. Used mainly in Industrial finishes.	●	●	●	●	●
		Sinco Green Green 7	5436-371	Cu Phthalo	Excellent all round fastness properties Recommend for solvent based decorative and industrial finishes.	●	●	●	●	●
		Sinco Green Green 7	5436-003	Cu Phthalo	Yellow shade,excellent all round fastness properties. recommended for decorative coatings and industrial finishes.	●	●	●	●	●
		Sinco Green Green 36	5636-001	Cu Phthalo	Yellow shade,excellent all round fastness properties. recommended for decorative coatings and industrial finishes.	●	●	●	○	

● Recommended ○ Potential Use

- *Product technical data sheets are available on request.*
- *Diarylide pigments may decompose >200°C, see ETAD Notice No.2.*
- *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.*
- *Due to the limitations of the four colour printing process, the colour panels in this brochure may not match the actual shade of the specific pigment. They are for illustrative purposes only.*

SINCOL CORPORATION

				LIGHT FASTNESS		WEATHER FASTNESS		FASTNESS TO SOLVENTS AND REAGENTS								
								PIGMENT POWDER					CURED PANEL			
			A/AM	Full Shade	Tint (1:10)	Full Shade	Tint (1:10)	Butanol	Butyl Acetate	Mek	Xylene	White Spirit	Acid (HCl)	Alkali (NaOH)	Overspray (NC)	Heat °C
Yellow	1	1125-002	A	7	6	4-5	3-4	2	2	2	2	2-3	5	4-5	3-4	140
Yellow	3	1104-D17	A	7	6	4-5	3-4	2	2	2	2	2-3	5	4-5	3-4	130
Yellow	65	1134-001,2,6,7	A	7-8	6	4-5	3	3	2-3	2	2-3	3	5	5	3	140
Yellow	65	1134-003	A	7-8	6	4-5	3	3	2-3	2	2-3	3	5	5	3	140
Yellow	74	1136-001	A	7-8	6-7	4-5	3	4	3	2-3	2-3	4	5	4-5	3-4	140
Yellow	74	1136-D25	A	6	5	4	2-3	3-4	3	2-3	3	4	5	4-5	3-4	140
Yellow	74	1136-D70	A	7-8	6-7	4-5	3	4	3	2-3	2-3	4	5	4-5	4	140
Yellow	75	1137-001	A	7-8	7	4-5	3	4	3	2-3	2-3	3-4	5	4-5	4	140
Yellow	83	1160-004	AM	6-7d	5-6	3-4d	3	4-5	4	3-4	3-4	5	5	5	5	200
Yellow	83	1160-006	AM	7-8d	6-7	4-5d	3-4	5	4-5	4-5	4	5	5	5	5	200
Yellow	83	1160-192	AM	7-8d	6-7	4-5d	3-4	5	4-5	4-5	4	5	5	5	5	200
Yellow	110	1110-002	AM	8	7	5	4-5	5	4-5	4-5	4-5	5	5	5	5	200
Yellow	138	1148-001	AM	8	7-8	5	4-5	5	4-5	4	4	5	5	5	5	200
Yellow	139	1129-001	AM	8	7-8	5	4-5	5	5	5	5	5	5	4	5	200
Yellow	139	1129-002	AM	8	7-8	5	4-5	5	5	5	5	5	5	4	5	200
Yellow	151	1122-001	AM	8	7-8	5	4	5	5	4-5	4-5	5	5	3	5	200
Yellow	154	1123-001	AM	8	7-8	5	4-5	4	4-5	4	5	5	5	5	5	160
Yellow	155	1135-001	AM	7-8	6-7	4-5	3	4-5	4	3-4	4	5	5	5	5	200
Yellow	184	2012-002D	AM	7	6-7	4-5	3	4-5	4	3-4	4	5	5	5	5	200
Yellow	194	2010-001	AM	7	6-7	4-5	3	4-5	4	3-4	4	5	5	5	5	200
Orange	5	2166-001	A	6-7	5	3-4	2	3-4	2-3	2-3	2-3	3	4-5	4-5	3-4	140
Orange	36	1158-001	AM	8	7-8	5	4	4-5	4-5	4	5	5	4	5	5	160
Orange	67	1187-001	AM	8	7-8	5	4	4-5	4-5	4	5	5	4	5	5	180
Red	3	3138-D12	A	7	3-4	4	1	2-3	2	1-2	2	2	4-5	4-5	2	140
Red	5	3107-G15	AM	7d	6	3-4d	2-3	4	3-4	2-3	4	5	4-5	4	4-2	140
Red	48_4	3126-001	AM	7	6	4d	2	2	3-4	3-4	3-4	4	3	2-3	4	160
Red	48_4	3126-002	AM	7	6	4d	2	2	4	3-4	4	4	3	2-3	4-5	160
Red	52:2	3263-001	AM	7	6	4d	2	2	4	3-4	4	4	3	2-3	4-5	160
Red	112	3150-001	A	7-8	6	4-5	2-3	3	2-3	3	2	4	4-5	4-5	3	180
Red	112	3150-002	A	7-8	6	4-5	2-3	3	2-3	3	2	4	4-5	4-5	3	180
Red	122	3122-001	AM	7-8	7-8	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	122	3122-002	AM	7-8	7-8	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	166	3266-001D	AM	8	7	5	4	3-4	3-4	3-4	3-4	4-5	5	5	5	200
Red	170	3128-001	AM	6d	4-5	3d	2	3-4	3-4	3-4	4-5	5	4-5	4-5	4-5	160
Red	170	3128-002	AM	7d	5	4d	2-3	3-4	3-4	3-4	3-4	4-5	4-5	4-5	5	160

SINCOL CORPORATION

				LIGHT FASTNESS		WEATHER FASTNESS		FASTNESS TO SOLVENTS AND REAGENTS								
								PIGMENT POWDER					CURED PANEL			
			A/AM	Full Shade	Tint (1:10)	Full Shade	Tint (1:10)	Butanol	Butyl Acetate	Mek	Xylene	White Spirit	Acid (HCl)	Alkali (NaOH)	Overspray (NC)	Heat °C
Red	177	3157-001	AM	7-8	7-8	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	179	3153-001	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	202	3202-001	AM	8	7-8	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	208	3208-001	AM	6-7	6	3-4	2	3-4	2-3	2-3	2-3	3	4-5	4-5	3-4	200
Red	254	3135-001	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Red	254	3135-002	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Violet	19	6219-001	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Violet	19	6219-002	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Violet	19	6219-003	AM	8	7-8	5	4-5	4-5	4-5	4-5	5	5	5	5	5	200
Violet	23	6260-004	AM	7-8	7	4-5	3-4	4	4-5	3	4-5	5	5	5	4-5	160
Blue	15:0	4322-001	A	8	7-8	5	4-5	5	5	4-5	4-5	5	5	5	5	200
Blue	15:1	4372-002	AM	8	7-8	5	4-5	5	5	4-5	4-5	5	5	5	5	200
Blue	15:1	4389-004	AM	8	7-8	5	4-5	5	5	4-5	4-5	5	5	5	5	200
Blue	15:2	4388-002	AM	8	7-8	5	4-5	5	5	4-5	4-5	5	5	5	5	200
Blue	15:3	4382-006	AM	8	7-8	5	4-5	5	5	5	5	5	4-5	4-5	5	200
Blue	15:4	4392-001	AM	8	7-8	5	4-5	5	5	5	5	5	4-5	4-5	5	200
Blue	15:6	4156-001	AM	8	7-8	5	5	5	5	5	5	5	5	5	5	200
Green	7	5436-371	AM	8	7-8	5	4-5	5	5	4-5	5	5	4-5	4	5	200
Green	7	5436-003	AM	8	7-8	5	4-5	5	5	4-5	5	5	4-5	4	5	200
Green	36	5636-001	AM	8	7-8	5	4-5	5	5	4-5	5	5	4-5	4	5	200

Light fastness *Rated against a simultaneously exposed ISO Blue Wool Scale 1-8, where 8 denotes the highest fastness.*
Weather fastness *1,000 hrs exposure in a Q-Sun Xenon test chamber XE-1-S Test program ISO 4892-2*
Rated using 1-5 grey scale ISO 105 A02 5 – No colour change 1 – Severe change d – Darkens
Solvent fastness *A folded, sealed filter paper containing 0.5g of pigment is immersed in 20ml of the solvent for 24hrs.*
Colour change assessed on 1-5 grey scale ISO 105 A02. 5 – High fastness, no bleed 1 – Very poor fastness, severe bleed
Heat stability (30mins) *Temperature above which significant change in colour will result. Quoted temperature is a guide only, as heat stability is very dependent on binder system used.*
Chemical resistance Cured alkyd-melamine film exposed for 24 hrs to 5% HCl & 5% NaOH.
Assessed using ISO 105 A02 grey scale 5 – No Colour change 1 – Severe change
Overspray fastness *A paint panel, stoved at 130*C for 30mins, is oversprayed with a Nitro-cellulose based white.*
Colour change of the white overspray is assessed on 1-5 Grey scale, ISO 105 A02
A – Long oil air drying alkyd – Vilkyd 211LA70AM – Short oil stoving alkyd/melamine – Vilkyd 787/Uramex MF 863 B1

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