



Sales Range

**For industrial paint, water-based paint, solvent based paint,
OEM or refinish paint, water-based coating, solvent-based coating,
coil coating, powder coating and wood stain applications.**

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Organic pigments, inorganic pigments, pigment dispersions, fluorescent pigments and solvent dyes from EPSILON

Epsilon offers a wide range of pigments and dyes, all of them are made by Epsilon's standards with consistent quality. These listed products are used in different kinds of paints and coatings, such as industrial paint including asphalt varnish, bituminous paint, alkyd paint, enamel paint, amino paint, baking varnish /paint /coating, epoxy paint, polyurethane lacquer, acrylic paint, organic silicon paint, fluorocarbon paint, rubber paint etc., water-based paint /waterborne decoration paint including waterborne steel paint, waterborne flooring paint, waterborne wood paint, decking oil etc., emulsion paint latex, solvent based paint /solvent borne decoration paint, OEM or refinish paint /car or automotive paint, electrophoretic coating, finish, water-based coating /waterborne decoration coating, solvent-based coating /solvent borne coating, coil coating, tin printing coating, powder coating, plastic coating, primer, high temperature resistant paint and coating, glass coating, anti-corrosion paint, floor coating etc. Powder coating should be specified hot-melt/thermoplastic powder coating including powder coatings of thermoplastic resins such as polythene, polypropylene, polyester, polyvinyl chloride, chlorinated polyether, polyamide /nylon, cellulose, fluororesin etc., hot-setting/thermosetting powder coating including powder coatings of thermosetting resins such as epoxy resin, epoxy-polyester, polyester, polyurethane, acrylic resin etc. hybrid powder coating and functional powder coating etc. Polyester based powder coating for exterior applications because of good adhesion, durability, workability, weather resistance and lightfastness, epoxy based powder coating for corrosion protection applications because of excellent resistance to solvents which are benefit for decoration and protection. All of these paints and coatings will be applied in different fields, outdoor or exterior wall, indoor or interior wall, household electrical appliance, metal decoration, outdoor fence, agricultural machinery, aluminum product i.e. door and windows profile, piping anti-corrosion protection, water-proof, balcony, roof, curtain wall etc. Compared with other coatings, powder coating is better durability, high efficiency, less resources needed and environmentally which doesn't contain volatile organic compounds (VOC). Sorted by function, there are coloring paint and coating, semi-transparent paint and coating, transparent paint and coating, varnish. Besides this range, Epsilon's products also cover printing ink, plastic, masterbatch, rubber, textile printing, building material, paper, detergent, textile industries, as well as other fields.

The symbols mean:

- = main field application
- ▲ = limited field application
- = not recommended application

Colorants' Page

Organic Pigments: P ₃ ~P ₇	Chrome Pigments: P ₁₃
General Iron Oxides: P ₈ ~P ₉	Ultramarine Blues: P ₁₄
Micronized Iron Oxides: P ₉ -P ₁₀	Prussian Blues: P ₁₄
Transparent Iron Oxides: P ₁₁	Ecodispersion Pigments: P ₁₆ ~P ₁₇
Carbon Black Pigments: P ₁₁ -P ₁₂	Fluorescent Pigments: P ₁₇ ~P ₁₈
Titanium Dioxides: P ₁₂	Solvent Dyes: P ₁₈ ~P ₁₉
Complex Inorganic Color Pigments: P ₁₅	

1. ORGANIC PIGMENTS

Organic pigments exhibit vivid colors, good flow, low viscosity, easy to grind, but less light fastness, weather resistance and heat resistance especially for azo pigments, while benzimidazolone pigments, isoindolinone pigments, quinacridone pigments, perylene pigments, perinone pigments, DPP pigments, dioxazine pigments and anthraquinone pigments which are called HPP – high performance pigments, as well as phthalocyanine pigments are excellent light fastness and weather resistance.

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Fast Yellow G	Pigment Yellow 1	11680	ECY00101	2512-29-0	■	■	▲	○	○	○
Fast Yellow 10G	Pigment Yellow 3	11710	ECY00301	6486-23-3	■	■	▲	○	○	▲
Benzidine Yellow G	Pigment Yellow 12	21090	ECY01201	6358-85-6	■	■	■	○	○	▲
Benzidine Yellow G-O	Pigment Yellow 12	21090	ECY01204	6358-85-6	▲	■	○	○	○	▲
Benzidine Yellow G-W	Pigment Yellow 12	21090	ECY01205	6358-85-6	▲	■	○	○	○	▲
Permanent Yellow GR	Pigment Yellow 13	21100	ECY01301	5102-83-0	■	■	▲	○	○	■
Permanent Yellow GR-W	Pigment Yellow 13	21100	ECY01302	5102-83-0	▲	■	○	○	○	▲
Permanent Yellow G	Pigment Yellow 14	21095	ECY01401	5468-75-7	■	■	▲	○	○	■
Permanent Yellow G-W	Pigment Yellow 14	21095	ECY01402	5468-75-7	▲	■	○	○	○	▲
Permanent Yellow G-T	Pigment Yellow 14	21095	ECY01403	5468-75-7	▲	○	■	○	○	○
Permanent Yellow 2G	Pigment Yellow 17	21105	ECY01701	4531-49-1	■	■	■	○	○	■
Permanent Yellow 2RN	Pigment Yellow 55	21096	ECY05501	6358-37-8	■	■	■	○	○	▲
Fast Yellow RN-W	Pigment Yellow 65	11740	ECY06502	6528-34-3	▲	■	▲	○	○	▲
Fast Yellow RN	Pigment Yellow 65	11740	ECY06506	6528-34-3	■	▲	▲	○	○	■
Brilliant Yellow 5GX	Pigment Yellow 74	11741	ECY07401	6358-31-2	■	■	■	○	○	■
Brilliant Yellow 5GX-O	Pigment Yellow 74	11741	ECY07404	6358-31-2	■	■	■	○	○	■

Brilliant Yellow 5GX-T	Pigment Yellow 74	11741	ECY07405	6358-31-2	■	■	■	○	○	■
Benzidine Yellow H10G	Pigment Yellow 81	21127	ECY08101	22094-93-5	■	■	■	○	○	■
Permanent Yellow HR 02	Pigment Yellow 83	21108	ECY0830710	5567-15-7	■	▲	▲	○	○	■
Permanent Yellow HR-W	Pigment Yellow 83	21108	ECY08302	5567-15-7	▲	■	▲	▲	▲	▲
Permanent Yellow HR 70	Pigment Yellow 83	21108	ECY08370	5567-15-7	■	■	■	■	■	■
Permanent Yellow FGL	Pigment Yellow 97	11767	ECY09701	12225-18-2	■	■	▲	○	○	■
Isoindolinone Yellow RLP-O	Pigment Yellow 110	56280	ECY11004	5590-18-1	■	■	■	■	■	■
Isoindolinone Yellow RLP-T	Pigment Yellow 110	56280	ECY11005	5590-18-1	▲	■	■	■	▲	▲
Disazo Yellow 8G	Pigment Yellow 128	20037	ECY12801	79953-85-8	■	■	■	▲	▲	▲
Quinophthalone Yellow HD-O	Pigment Yellow 138	56300	ECY13804	30125-47-4	■	■	■	■	■	■
Quinophthalone Yellow HD-T	Pigment Yellow 138	56300	ECY13805	30125-47-4	■	■	■	■	■	■
Isoindoline Yellow 3R	Pigment Yellow 139	56298	ECY13904	36888-99-0	■	■	■	■	■	■
Isoindoline Yellow 2R	Pigment Yellow 139	56298	ECY13905	36888-99-0	■	■	■	■	■	■
Fast Yellow 4G	Pigment Yellow 150	12764	ECY15004	25157-64-6	■	■	■	○	■	■
Benzimidazolone Yellow H4G	Pigment Yellow 151	13980	ECY15101	31837-42-0	■	■	■	■	■	■
Benzimidazolone Yellow H3G	Pigment Yellow 154	11781	ECY15401	68134-22-5	■	■	■	■	■	■
Disazo Yellow 4G	Pigment Yellow 155	200310	ECY15501	68516-73-4	■	■	■	○	▲	▲
Benzimidazolone Yellow HG	Pigment Yellow 180	21290	ECY18001	77804-81-0	■	■	■	○	▲	▲
Benzimidazolone Yellow HG-P	Pigment Yellow 180	21290	ECY18010	77804-81-0	▲	▲	▲	○	■	■
AZO Yellow HGR	Pigment Yellow 191	18795	ECY19110	129423-54-7	○	○	○	○	■	■
Fast Orange RN	Pigment Orange 5	12075	ECO00501	3468-63-1	■	■	■	○	○	○
Fast Orange G	Pigment Orange 13	21110	ECO01301	3520-72-7	■	■	■	○	○	■
Benzidine Orange R	Pigment Orange 16	21160	ECO01601	6505-28-8	■	■	■	○	○	■
Permanent Orange RL	Pigment Orange 34	21115	ECO03404	15793-73-4	■	■	■	○	▲	■
Permanent Orange RL-T	Pigment Orange 34	21115	ECO03405	15793-73-4	■	■	■	○	▲	▲
Fast Orange HL	Pigment Orange 36	11780	ECO03601	12236-62-3	■	■	■	■	■	■
Naphthol Orange HFG	Pigment Orange 38	12367	ECO03801	12236-64-5	■	■	■	○	■	■
Perinone Orange GR	Pigment Orange 43	71105	ECO04301	4424-06-0	■	■	■	■	■	■
Permanent Orange H5G	Pigment Orange 62	11775	ECO06201	62846-56-7	■	■	■	■	■	■
Benzimidazolone Orange GP	Pigment Orange 64	12760	ECO06401	72102-84-2	■	■	■	▲	■	■

Pyrazolone Orange HO	Pigment Orange 67	12915	ECO06701	74336-59-7	■	■	■	○	■	■
DPP Orange TR	Pigment Orange 71	561200	ECO07101	84632-50-8	■	■	■	■	■	■
DPP Orange RA	Pigment Orange 73	561170	ECO07301	84632-59-7	■	■	■	■	■	■
Permanent Red F2R	Pigment Red 2	12310	ECR00201	6041-94-7	▲	■	▲	○	○	○
Toluidine Dark Red	Pigment Red 3	12120	ECR00301	2425-85-6	■	■	▲	○	○	○
Vermilion R	Pigment Red 4	12085	ECR00401	2814-77-9	▲	■	▲	○	○	○
Permanent Red F4R	Pigment Red 8	12335	ECR00801	6410-30-6	▲	■	▲	○	○	○
Toluidine Maroon	Pigment Red 13	12395	ECR01301	6535-47-3	■	▲	▲	○	○	■
Bronze Red 2R	Pigment Red 21	12300	ECR02101	6410-26-0	■	■	▲	○	○	▲
Fast Brilliant Red N	Pigment Red 22	12315	ECR02201	6448-95-9	▲	■	▲	○	○	○
Fast Scarlet BBN	Pigment Red 48:1	15865:1	ECR04801	7585-41-3	■	■	▲	○	○	■
Fast Brilliant BBC	Pigment Red 48:2	15865:2	ECR04802	7023-61-2	■	■	■	○	○	■
Fast Brilliant 2BP	Pigment Red 48:2	15865:2	ECR04802P	7023-61-2	○	○	○	○	○	■
Fast Scarlet BBS	Pigment Red 48:3	15865:3	ECR04803	15782-05-5	■	■	■	○	○	■
Fast Scarlet 2BSP	Pigment Red 48:3	15865:3	ECR04803P	15782-05-5	○	○	○	○	○	■
Fast Red BBM	Pigment Red 48:4	15865:4	ECR04804	5280-66-0	■	■	■	○	○	■
Lithol Scarlet Red S6B	Pigment Red 52:1	15860:1	ECR05201	17852-99-2	■	▲	■	○	○	○
Lithol Maroon	Pigment Red 52:2	15860:2	ECR05202	12238-31-2	■	▲	■	○	○	○
Red Lake C	Pigment Red 53:1	15585:1	ECR05301	5160-02-1	▲	■	▲	○	○	○
Lithol Rubine BK	Pigment Red 57:1	15850:1	ECR05701	5281-04-9	○	○	○	○	○	▲
Lithol Rubine BK-W	Pigment Red 57:1	15850:1	ECR05701W	5281-04-9	▲	■	▲	○	○	○
Lithol Rubine 4BP	Pigment Red 57:1	15850:1	ECR05701P	5281-04-9	▲	○	○	○	○	■
Lithol Bordeaux 2R	Pigment Red 63:1	15880:1	ECR06301	6417-83-0	■	▲	▲	○	○	○
Fast Pink Toner G	Pigment Red 81	45160	ECR08101T	12224-98-5	■	■	■	○	○	○
Fast Pink Lake G	Pigment Red 81	45160	ECR08101L	12224-98-5	■	■	■	○	○	○
Permanent Red FGR	Pigment Red 112	12370	ECR11201	6535-46-2	■	■	▲	○	○	○
Quinacridone Red E-B	Pigment Red 122	73915	ECR12208	980-26-7	■	■	■	■	■	■
Quinacridone Red E-Y	Pigment Red 122	73915	ECR12209	980-26-7	■	■	■	■	■	■
Perylene Vermilion	Pigment Red 123	71145	ECR12301	24108-89-2	■	■	■	■	■	■
Disazo Red BRN	Pigment Red 144	20735	ECR14401	5280-78-4	■	■	■	○	■	■

Permanent Red FBB	Pigment Red 146	12485	ECR14602	5280-68-2	■	■	▲	○	○	○
Permanent Red FBB-S	Pigment Red 146	12485	ECR14603	5280-68-2	■	▲	■	○	○	■
Permanent Red B	Pigment Red 149	71137	ECR14901	4948-15-6	■	■	■	■	■	■
Permanent Scarlet R	Pigment Red 166	20730	ECR16601	3905-19-9	■	■	■	○	■	■
Indanthren Scarlet GO	Pigment Red 168	59300	ECR16801	4378-61-4	■	■	■	■	■	■
Permanent Red F2RK	Pigment Red 170	12475	ECR17002	2786-76-7	■	■	■	■	■	■
Permanent Red F3RK	Pigment Red 170	12475	ECR17003	2786-76-7	■	■	■	■	■	■
Permanent Red F5RK	Pigment Red 170	12475	ECR17005	2786-76-7	■	■	■	■	■	■
Benzimidazolone Carmine H3C	Pigment Red 176	12515	ECR17601	12225-06-8	■	■	■	○	■	■
Fast Red A3B	Pigment Red 177	65300	ECR17701	4051-63-2	■	■	■	■	■	■
Perylene Red 2G	Pigment Red 179	71130	ECR17901	5521-31-3	■	■	■	■	■	■
Benzimidazolone Carmine H4C	Pigment Red 185	12516	ECR18501	51920-12-8	■	■	■	○	■	■
Perylene Scarlet R	Pigment Red 190	71140	ECR19001	6424-77-7	■	■	■	■	■	■
Quinacridone Magenta RT	Pigment Red 202	73907	ECR20201	3089-17-6	■	■	■	■	■	■
Benzimidazolone Red H2B	Pigment Red 208	12514	ECR20801	31778-10-6	■	■	■	○	■	■
Naphthol Red F6RK	Pigment Red 210	12477	ECR21001	61932-63-6	■	■	○	○	○	○
Disazo Red BN	Pigment Red 214	200660	ECR21401	4068-31-3	■	■	■	○	■	■
Permanent Scarlet 4RF	Pigment Red 242	20067	ECR24201	52238-92-3	■	■	■	■	■	■
DPP Red HP	Pigment Red 254	56110	ECR25408	84632-65-5	■	■	■	■	■	■
DPP Red HB	Pigment Red 254	56110	ECR25409	84632-65-5	■	■	■	■	■	■
DPP Scarlet 5G	Pigment Red 255	561050	ECR25501	54660-00-3	■	■	■	■	■	■
Permanent Red F7RK	Pigment Red 266	12474	ECR26601	52238-92-3	■	■	■	○	○	○
Permanent Scarlet OA	Pigment Red 268	12316	ECR26801	16403-84-2	▲	■	▲	○	○	○
Naphthol Red RA	Pigment Red 269	12466	ECR26901	67990-05-0	▲	■	▲	○	○	○
DPP Flame Red FP	Pigment Red 272	561150	ECR27201	350249-32-0	■	■	■	■	■	■
Fast Rose Toner	Pigment Violet 1	45170:2	ECV00101T	1326-03-0	▲	■	▲	○	○	○
Fast Rose Lake	Pigment Violet 1	45170:2	ECV00101L	1326-03-0	▲	■	▲	○	○	○
Fast Violet Toner	Pigment Violet 3	42535	ECV00301T	1325-82-2	▲	■	▲	○	○	○
Fast Violet Lake	Pigment Violet 3	42535	ECV00301L	1325-82-2	▲	■	▲	○	○	○
Quinacridone Violet 4RB	Pigment Violet 19	73900	ECV01908	1047-16-1	■	■	■	■	■	■

Quinacridone Violet 4RY	Pigment Violet 19	73900	ECV01909	1047-16-1	■	■	■	■	■	■
Permanent Violet M-RL	Pigment Violet 23	51319	ECV02306M	215247-95-3	○	■	○	○	○	○
Permanent Violet M-BL	Pigment Violet 23	51319	ECV02308M	215247-95-3	○	■	○	○	○	○
Permanent Violet K-RL	Pigment Violet 23	51319	ECV02306K	215247-95-3	■	■	■	■	■	■
Permanent Violet K-BL	Pigment Violet 23	51319	ECV02308K	215247-95-3	■	■	■	■	■	■
Perylene Violet B	Pigment Violet 29	71129	ECV02901	81-33-4	■	■	■	■	■	■
Fast Blue Lake BO	Pigment Blue 1	42595:2	ECB00101L	1325-87-7	○	■	○	○	○	○
Fast Blue Toner	Pigment Blue 1	42595:2	ECB00101T	1325-87-7	○	■	○	○	○	○
Fast Blue Toner B	Pigment Blue 10	44040:2	ECB01001	1325-93-3	○	■	○	○	○	○
Phthalocyanine Blue B	Pigment Blue 15:0	74160	ECB01500	147-14-8	■	▲	○	○	○	○
Phthalocyanine Blue B-W	Pigment Blue 15:0	74160	ECB01500W	147-14-8	▲	■	○	○	○	○
Phthalocyanine Blue B-P	Pigment Blue 15:0	74160	ECB01500P	147-14-8	○	○	○	○	○	■
Phthalocyanine Blue BS	Pigment Blue 15:1	74160	ECB01501	12239-87-1	■	■	■	○	■	■
Phthalocyanine Blue BS-W	Pigment Blue 15:1	74160	ECB01501W	12239-87-1	▲	■	○	○	○	○
Phthalocyanine Blue BS-P	Pigment Blue 15:1	74160	ECB01501P	12239-87-1	○	○	○	○	○	■
Phthalocyanine Blue BNCF	Pigment Blue 15:2	74160	ECB01502	12239-89-1	■	■	■	■	■	■
Phthalocyanine Blue BGS	Pigment Blue 15:3	74160	ECB01503	147-14-8	■	■	■	■	■	■
Phthalocyanine Blue BGS-W	Pigment Blue 15:3	74160	ECB01503W	147-14-8	▲	■	○	○	○	○
Phthalocyanine Blue BGS-S	Pigment Blue 15:3	74160	ECB01503S	147-14-8	▲	○	■	○	○	○
Phthalocyanine Blue BGCF-S	Pigment Blue 15:4	74160	ECB01504S	147-14-8	▲	○	■	○	○	○
Phthalocyanine Blue BGCF	Pigment Blue 15:4	74160	ECB01504	147-14-8	▲	■	○	▲	○	○
Phthalocyanine Blue BGKF	Pigment Blue 15:6	74160	ECB01506	147-14-8	■	■	■	■	■	■
Indanthrone Blue A3R	Pigment Blue 60	69800	ECB06001	81-77-6	■	■	■	■	■	■
Indanthrone Blue A3R-P	Pigment Blue 60	69800	ECB06010	81-77-6	▲	▲	▲	▲	▲	▲
Phthalocyanine Green G	Pigment Green 7	74260	ECG00701	1328-53-6	■	■	■	■	■	■
Phthalocyanine Green G-W	Pigment Green 7	74260	ECG00702	1328-53-6	▲	■	○	○	○	○
Phthalocyanine Green G-S	Pigment Green 7	74260	ECG00703	1328-53-6	▲	○	■	■	■	○
Phthalocyanine Green G-P	Pigment Green 7	74260	ECG00710	1328-53-6	○	○	○	○	○	■
Phthalocyanine Green YGF	Pigment Green 36	74265	ECG03601	14302-13-7	■	■	■	■	■	■
Benzimidazolone Brown HFR	Pigment Brown 25	12510	ECBR02501	6992-11-6	■	■	■	■	■	■

2. INORGANIC PIGMENTS

2.1 General Iron Oxides

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Iron Oxide Red 101	Pigment Red 101	77491	IOR101	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 110	Pigment Red 101	77491	IOR110	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 120	Pigment Red 101	77491	IOR120	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 130	Pigment Red 101	77491	IOR130	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 140	Pigment Red 101	77491	IOR140	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 160	Pigment Red 101	77491	IOR160	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 180	Pigment Red 101	77491	IOR180	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 190	Pigment Red 101	77491	IOR190	1309-37-1	■	■	■	○	■	■
Iron Oxide Yellow 311	Pigment Yellow 42	77492	IOY311	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 313	Pigment Yellow 42	77492	IOY313	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 586	Pigment Yellow 42	77492	IOY586	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 810	Pigment Yellow 42	77492	IOY810	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 920	Pigment Yellow 42	77492	IOY920	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Black 318	Pigment Black 11	77499	IOBLK318	12227-89-3	■	■	■	○	○	○
Iron Oxide Black 330	Pigment Black 11	77499	IOBLK330	12227-89-3	■	■	■	○	○	○
Iron Oxide Black 722	Pigment Black 11	77499	IOBLK722	12227-89-3	■	■	■	○	○	○
Iron Oxide Black 740	Pigment Black 11	77499	IOBLK740	12227-89-3	■	■	■	○	○	○
Iron Oxide Black 750	Pigment Black 11	77499	IOBLK750	12227-89-3	■	■	■	○	○	○
Iron Oxide Black 770	Pigment Black 11	77499	IOBLK770	12227-89-3	■	■	■	○	○	○

Iron Oxide Orange 960	Mixture	Mixture	IOO960	Mixture	■	■	■	○	▲	▲
Iron Oxide Orange 2040	Mixture	Mixture	IOO2040	Mixture	■	■	■	○	▲	▲
Iron Oxide Brown 600	Mixture	Mixture	IOBR600	Mixture	■	■	■	○	○	○
Iron Oxide Brown 610	Mixture	Mixture	IOBR610	Mixture	■	■	■	○	○	○
Iron Oxide Brown 663	Mixture	Mixture	IOBR663	Mixture	■	■	■	○	○	○
Iron Oxide Brown 686	Mixture	Mixture	IOBR686	Mixture	■	■	■	○	○	○
Iron Oxide Green 835	Mixture	Mixture	IOG835	Mixture	■	■	■	○	○	○
Iron Oxide Green 5605	Mixture	Mixture	IOG5605	Mixture	■	■	■	○	○	○
Iron Oxide Blue 103	Mixture	Mixture	IOB103	Mixture	■	■	■	○	○	○

2.2 Micronized Iron Oxides

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Iron Oxide Red 105M	Pigment Red 101	77491	IOR105M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4100FM	Pigment Red 101	77491	IOR4100FM	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4110	Pigment Red 101	77491	IOR4110	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 110M	Pigment Red 101	77491	IOR110M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4120FM	Pigment Red 101	77491	IOR4120FM	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4120M	Pigment Red 101	77491	IOR4120M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 120M	Pigment Red 101	77491	IOR120M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 130M	Pigment Red 101	77491	IOR130M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4130FM	Pigment Red 101	77491	IOR4130FM	1309-37-1	■	■	■	○	■	■

Iron Oxide Red 130BM	Pigment Red 101	77491	IOR130BM	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 140M	Pigment Red 101	77491	IOR140M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 160M	Pigment Red 101	77491	IOR160M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 4180	Pigment Red 101	77491	IOR4180	1309-37-1	■	■	■	○	■	■
Iron Oxide Red 180M	Pigment Red 101	77491	IOR180M	1309-37-1	■	■	■	○	■	■
Iron Oxide Red RA11AB	Pigment Red 101	77491	IORRA11AB	1309-37-1	■	■	■	○	■	■
Iron Oxide Red RA11	Pigment Red 101	77491	IORRA11	1309-37-1	■	■	■	○	■	■
Iron Oxide Red RA13	Pigment Red 101	77491	IORRA13	1309-37-1	■	■	■	○	■	■
Iron Oxide Red RA14	Pigment Red 101	77491	IORRA14	1309-37-1	■	■	■	○	■	■
Iron Oxide Red RA18	Pigment Red 101	77491	IORRA18	1309-37-1	■	■	■	○	■	■
Iron Oxide Yellow 3905	Pigment Yellow 42	77492	IOY3905	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 3910	Pigment Yellow 42	77492	IOY3910	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 3920	Pigment Yellow 42	77492	IOY3920	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 3920M	Pigment Yellow 42	77492	IOY3920M	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 4905FM	Pigment Yellow 42	77492	IOY4905FM	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 4910	Pigment Yellow 42	77492	IOY4910	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 4910FM	Pigment Yellow 42	77492	IOY4910FM	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 4920	Pigment Yellow 42	77492	IOY4920	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow 4920FM	Pigment Yellow 42	77492	IOY4920FM	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow YA21LV	Pigment Yellow 42	77492	IOYYA21LV	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Yellow YA22LV	Pigment Yellow 42	77492	IOYYA22LV	51274-00-1	■	■	■	○	▲	▲
Iron Oxide Black 318M	Pigment Black 11	77499	IOBLK318M	12227-89-3	■	■	■	○	○	○
Iron Oxide Black BA33	Pigment Black 11	77499	IOBLKBA33	12227-89-3	■	■	■	○	○	○
Iron Oxide Black BA30	Pigment Black 11	77499	IOBLKBA30	12227-89-3	■	■	■	○	○	○

2.3 Transparent Iron Oxides

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Transp. Iron Oxide Red 202G	Pigment Red 101	77491	TIOR202G	1309-37-1	■	■	■	■	■	■
Transp. Iron Oxide Red 202W	Pigment Red 101	77491	TIOR202W	1309-37-1	■	■	■	■	■	■
Transp. Iron Oxide Yellow 102G	Pigment Yellow 42	77492	TIOY102G	51274-00-1	■	■	■	■	■	■
Transp. Iron Oxide Yellow 102W	Pigment Yellow 42	77492	TIOY102W	51274-00-1	■	■	■	■	■	■
Transp. Iron Oxide Brown 401G	Mixture	Mixture	TIOBR401G	Mixture	■	■	■	▲	■	■
Transp. Iron Oxide Brown 401W	Mixture	Mixture	TIOBR401W	Mixture	■	■	■	▲	■	■

2.4 Carbon Black Pigments

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Special Black 6	Pigment Black 7	77266	SB6	1333-86-4	■	■	■	■	■	■
Special Black A	Pigment Black 7	77266	SBA	1333-86-4	■	■	■	■	■	■
EpsilonBlack 101	Pigment Black 7	77266	EB101	1333-86-4	■	■	■	■	■	■

EpsilonBlack 102	Pigment Black 7	77266	EB102	1333-86-4	■	■	■	■	■	■
EpsilonBlack 103	Pigment Black 7	77266	EB103	1333-86-4	■	■	■	○	■	■
EpsilonBlack 902	Pigment Black 7	77266	EB902	1333-86-4	■	■	■	○	■	■
EpsilonBlack 801	Pigment Black 7	77266	EB801	1333-86-4	■	■	■	○	■	■
EpsilonBlack 204	Pigment Black 7	77266	EB204	1333-86-4	■	■	■	○	○	■
EpsilonBlack 403	Pigment Black 7	77266	EB403	1333-86-4	■	■	■	○	○	■
EpsilonBlack 802	Pigment Black 7	77266	EB802	1333-86-4	■	■	■	○	○	■
EpsilonBlack 105	Pigment Black 7	77266	EB802	1333-86-4	■	■	■	○	○	■
EpsilonBlack 404	Pigment Black 7	77266	EB404	1333-86-4	○	○	○	○	○	■
EpsilonBlack 205	Pigment Black 7	77266	EB205	1333-86-4	■	○	○	○	○	○

2.5 Titanium Dioxides

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Titanium Dioxide R803	Pigment White 6	77891	TIDR803	13463-67-7	○	○	■	○	○	○
Titanium Dioxide R806	Pigment White 6	77891	TIDR806	13463-67-7	■	■	■	○	■	■
Titanium Dioxide R809	Pigment White 6	77891	TIDR809	13463-67-7	■	■	■	○	■	■
Titanium Dioxide R810	Pigment White 6	77891	TIDR810	13463-67-7	■	■	■	○	■	■
Titanium Dioxide RA100	Pigment White 6	77891	TIDRA100	13463-67-7	○	○	○	○	■	■
Titanium Dioxide R715	Pigment White 6	77891	TIDR715	13463-67-7	■	■	■	○	■	■

2.6 Chrome Pigments

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Chrome Oxide Green GP7450	Pigment Green 17	77288	COGGP7450	1308-38-9	■	■	■	○	■	■
Chrome Oxide Green PT5376	Pigment Green 17	77288	COGPT5376	1308-38-9	■	■	■	○	■	■
Chrome Oxide Green GN4058	Pigment Green 17	77288	COGGN4058	1308-38-9	■	■	■	○	■	■
Chrome Oxide Green GM5066	Pigment Green 17	77288	COGGM5066	1308-38-9	■	■	■	○	■	■
Chrome Oxide Green GX8090	Pigment Green 17	77288	COGGX8090	1308-38-9	■	■	■	○	■	■
Molybdate Red 107	Pigment Red 104	77605	MR107	12656-85-8	■	■	■	○	■	■
Molybdate Red E207	Pigment Red 104	77605	MRE207	12656-85-8	■	■	■	○	■	■
Light Chrome Yellow 401	Pigment Yellow 34	77600	LCY401	1344-37-2	■	■	■	○	■	■
Lemon Chrome Yellow 501	Pigment Yellow 34	77600	LCY501	1344-37-2	■	■	■	○	■	■
Medium Chrome Yellow 103	Pigment Yellow 34	77600	MCY103	1344-37-2	■	■	■	○	■	■
Medium Chrome Yellow E203	Pigment Yellow 34	77600	MCYE203	1344-37-2	■	■	■	○	■	■
Orange Chrome Yellow 905	Pigment Yellow 34	77600	OCY905	1344-37-2	■	■	■	○	■	■
Deep Chrome Yellow 805	Pigment Yellow 34	77600	DCY805	1344-37-2	■	■	■	○	■	■
Zinc Chrome Yellow 701	Pigment Yellow 36	77955	ZCY701	13530-65-9	■	■	■	○	○	○

2.7 Ultramarine Blues

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Ultramarine Blue 906	Pigment Blue 29	77007	UMB906	57455-37-5	■	■	■	○	■	■
Ultramarine Blue 902	Pigment Blue 29	77007	UMB902	57455-37-5	■	■	■	○	■	■
Ultramarine Blue 802	Pigment Blue 29	77007	UMB802	57455-37-5	■	■	■	○	■	■
Ultramarine Blue 806	Pigment Blue 29	77007	UMB806	57455-37-5	■	■	■	○	■	■

2.8 Prussian Blues / Milori Blues

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Prussian Blue LA09-04	Pigment Blue 27	77510	PBLA0904	25869-00-5	■	■	■	○	○	○
Prussian Blue LA09-05	Pigment Blue 27	77510	PBLA0905	25869-00-5	■	■	■	○	○	○
Prussian Blue LA09-06	Pigment Blue 27	77510	PBLA0906	25869-00-5	■	■	■	○	○	○
Prussian Blue LA09-07	Pigment Blue 27	77510	PBLA0907	25869-00-5	■	■	■	○	○	○

2.9 Complex Inorganic Color Pigments

Widely used in automotive interiors and exteriors paints, paints for building facades, architectural and facade coatings, vinyl siding and fascia systems, roof coatings and tiles, muffler and stove coatings, fireplace paint, high-heat powder coatings, decorative ceramic coatings, architectural coatings, exterior wall coatings, water based paints, decorative coatings, coil coatings, industrial coatings, powder coatings etc.

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Cadmium Yellow	Pigment Yellow 37	77199	ECY03701	68859-25-6	■	■	■	○	■	■
Nickel Antimony Titanium Yellow	Pigment Yellow 53	77788	MMOY05301	8007-18-9	■	■	■	▲	■	■
Zinc Ferrite Yellow	Pigment Yellow 119	77496	MMOY11901	68187-51-9	■	■	■	○	■	■
Manganese Antimony Titanium	Pigment Yellow 164	77899	MMOY16401	68412-38-4	■	■	■	○	■	■
Bismuth Vanadate Yellow	Pigment Yellow 184	771740	MMOY18401	14059-33-7	■	■	■	■	■	■
Cadmium Orange	Pigment Orange 20	77202	ECO02001	12656-57-4	■	■	■	○	■	■
Cadmium Red	Pigment Red 108	77202	ECR10801	12214-12-9	■	■	■	○	■	■
Chrome Antimony Titanium	Pigment Brown 24	77310	MMOBR02401	68186-90-3	■	■	■	▲	■	■
Chromium Iron Oxide	Pigment Brown 29	77500	MMOBR02901	12737-27-8	■	■	■	○	■	■
Zinc Iron Chromite Brown	Pigment Brown 33	77503	MMOBR03301	68186-88-9	■	■	■	○	■	■
Cobalt Aluminate Blue	Pigment Blue 28	77346	MMOB02801	1345-16-0	■	■	■	■	■	■
Cobalt Chromite Blue	Pigment Blue 36	77343	MMOB03601	---	■	■	■	○	■	■
Cobalt Chromite Green	Pigment Green 26	77344	MMOB02601	68187-49-5	■	■	■	○	■	■
Cobalt Titanate Green	Pigment Green 50	77377	MMOG05001	68186-85-6	■	■	■	■	■	■
Manganese Ferrite Black	Pigment Black 26	77494	MMOBLK02601	68186-94-7	■	■	■	○	■	■
Copper Chromite Black	Pigment Black 28	77428	MMOBLK02801	68186-91-4	■	■	■	○	■	■
Ferrite Chromite Black	Pigment Black 30		MMOBLK03001		■	■	■	○	■	■

3. ECOPERSION PIGMENTS

Ecopersion pigments are water-based pigment pastes / dispersions, which are mainly used in printing inks, paints and coatings, textile printing, paper making, synthetic leather, construction, latex, emulsion etc.

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Ecopersion Yellow 10G	Pigment Yellow 3	11710	ECDY00301	6486-23-3	▲	■	○	○	○	○
Ecopersion Yellow G	Pigment Yellow 12	21090	ECDY01201	6358-85-6	▲	■	○	○	○	○
Ecopersion Yellow 5GX	Pigment Yellow 74	11741	ECDY07401	6358-31-2	▲	■	○	○	○	○
Ecopersion Yellow HR	Pigment Yellow 83	21108	ECDY08370	5567-15-7	▲	■	○	○	○	○
Ecopersion Orange G	Pigment Orange 13	21110	ECDO01301	3520-72-7	▲	■	○	○	○	○
Ecopersion Red F2R	Pigment Red 2	12310	ECDR00201	6041-94-7	▲	■	○	○	○	○
Ecopersion Red F4R	Pigment Red 8	12335	ECDR00801	6410-30-6	▲	■	○	○	○	○
Ecopersion Red FGR	Pigment Red 112	12370	ECDR11201	6535-46-2	▲	■	○	○	○	○
Ecopersion Red E	Pigment Red 122	73915	ECDR12208	980-26-7	▲	■	○	○	○	○
Ecopersion Red RK	Pigment Red 170	12475	ECDR17001	2786-76-7	▲	■	○	○	○	○
Ecopersion Blue B	Pigment Blue 15:0	74160	ECDB01500	147-14-8	▲	■	○	○	○	○
Ecopersion Blue BS	Pigment Blue 15:1	74160	ECDB01501	12239-87-1	▲	■	○	○	○	○
Ecopersion Blue BGS	Pigment Blue 15:3	74160	ECDB01503	147-14-8	▲	■	○	○	○	○
Ecopersion Green G	Pigment Green 7	74260	ECDG00701	1328-53-6	▲	■	○	○	○	○
Ecopersion Violet RL	Pigment Violet 23	51319	ECDV02301	215247-95-3	▲	■	○	○	○	○
Ecopersion White	Pigment White 6	77891	ECDW00601	13463-67-7	▲	■	○	○	○	○
Ecopersion Black	Pigment Black 7	77266	ECDBLK00701	1333-86-4	▲	■	○	○	○	○
Ecopersion Red	Pigment Red 101	77491	ECDR10101	1309-37-1	▲	■	○	○	○	○

Ecopersion Yellow	Pigment Yellow 42	77492	ECDY04201	51274-00-1	▲	■	○	○	○	○
Ecopersion Red T	Pigment Red 101	77491	ECDR10101T	1309-37-1	▲	■	○	○	○	○
Ecopersion Yellow T	Pigment Yellow 42	77492	ECDY04201T	51274-00-1	▲	■	○	○	○	○
Ecopersion Brown T	Mixture	Mixture	ECDBRT	Mixture	▲	■	○	○	○	○
Ecopersion Black T	Pigment Black 7	77266	ECDBLKT	1333-86-4	▲	■	○	○	○	○
Fluo. Pink ECO-11	Mixture	Mixture	ECO11	Mixture	○	■	○	○	○	○
Fluo. Peach Red ECO-12	Mixture	Mixture	ECO12	Mixture	○	■	○	○	○	○
Fluo. Red ECO-13	Mixture	Mixture	ECO13	Mixture	○	■	○	○	○	○
Fluo. Orange Red ECO-14	Mixture	Mixture	ECO14	Mixture	○	■	○	○	○	○
Fluo. Orange Yellow ECO-15	Mixture	Mixture	ECO15	Mixture	○	■	○	○	○	○
Fluo. Golden Yellow ECO-16	Mixture	Mixture	ECO16	Mixture	○	■	○	○	○	○
Fluo. Lemon Yellow ECO-17	Mixture	Mixture	ECO17	Mixture	○	■	○	○	○	○
Fluo. Green ECO-18	Mixture	Mixture	ECO18	Mixture	○	■	○	○	○	○
Fluo. Blue ECO-19	Mixture	Mixture	ECO19	Mixture	○	■	○	○	○	○
Fluo. Violet ECO-20	Mixture	Mixture	ECO20	Mixture	○	■	○	○	○	○
Fluo. Magenta ECO-21	Mixture	Mixture	ECO21	Mixture	○	■	○	○	○	○
Fluo. Sapphire ECO-22	Mixture	Mixture	ECO22	Mixture	○	■	○	○	○	○

4. FLUORESCENT PIGMENTS

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
Fluore. Pink ET-11	Mixture	Mixture	ET11	Mixture	○	○	■	○	○	○

Fluo. Peach Red ET-12	Mixture	Mixture	ET12	Mixture	○	○	■	○	○	○
Fluo. Red ET-13	Mixture	Mixture	ET13	Mixture	○	○	■	○	○	○
Fluo. Orange Red ET-14	Mixture	Mixture	ET14	Mixture	○	○	■	○	○	○
Fluo. Orange Yellow ET-15	Mixture	Mixture	ET15	Mixture	○	○	■	○	○	○
Fluo. Golden Yellow ET-16	Mixture	Mixture	ET16	Mixture	○	○	■	○	○	○
Fluo. Lemon Yellow ET-17	Mixture	Mixture	ET17	Mixture	○	○	■	○	○	○
Fluo. Green ET-18	Mixture	Mixture	ET18	Mixture	○	○	■	○	○	○
Fluo. Blue ET-19	Mixture	Mixture	ET19	Mixture	○	○	■	○	○	○
Fluo. Violet ET-20	Mixture	Mixture	ET20	Mixture	○	○	■	○	○	○
Fluo. Magenta ET-21	Mixture	Mixture	ET21	Mixture	○	○	■	○	○	○
Fluo. Pink EV-11	Mixture	Mixture	EV11	Mixture	■	■	■	○	■	■
Fluo. Peach Red EV-12	Mixture	Mixture	EV12	Mixture	■	■	■	○	■	■
Fluo. Red EV-13	Mixture	Mixture	EV13	Mixture	■	■	■	○	■	■
Fluo. Orange Red EV-14	Mixture	Mixture	EV14	Mixture	■	■	■	○	■	■
Fluo. Orange Yellow EV-15	Mixture	Mixture	EV15	Mixture	■	■	■	○	■	■
Fluo. Golden Yellow EV-16	Mixture	Mixture	EV16	Mixture	■	■	■	○	■	■
Fluo. Lemon Yellow EV-17	Mixture	Mixture	EV17	Mixture	■	■	■	○	■	■
Fluo. Green EV-18	Mixture	Mixture	EV18	Mixture	■	■	■	○	■	■
Fluo. Blue EV-19	Mixture	Mixture	EV19	Mixture	■	■	■	○	■	■
Fluo. Violet EV-20	Mixture	Mixture	EV20	Mixture	■	■	■	○	■	■
Fluo. Magenta EV-21	Mixture	Mixture	EV21	Mixture	■	■	■	○	■	■
Fluo. Rose EV-21Y	Mixture	Mixture	EV21Y	Mixture	■	■	■	○	■	■
Fluo. White EV-23	Mixture	Mixture	EV23	Mixture	■	■	■	○	■	■

5. SOLVENT DYES

These solvent dyes include metal complex solvent dyes and solvent dyes, mainly used in wood stain, wood coating, plastic coating, aluminum foil coating, baking finishes, solvent based paints etc.

Product Name	Color Index	Color Index No.	Epsilon Code	CAS No.	Industrial paint	Water-based paint/coating	Solvent-based paint/coating	OEM/Refinish Paint	Coil coating	Powder coating
---	Solvent Red 8	12715	---	33270-70-1	○	○	■	▲	○	○
---	Solvent Red 32	26766	---	6406-53-7	○	○	■	▲	○	○
---	Solvent Red 49	45170:1	---	509-34-2	○	○	■	▲	○	○
---	Solvent Red 119	---	---	12237-27-3	○	○	■	▲	○	○
---	Solvent Red 122	12716	---	12227-55-3	○	○	■	▲	○	○
---	Solvent Red 132	---	---	61725-85-7	○	○	■	▲	○	○
---	Solvent Red 218	---	---	82347-07-7	○	○	■	▲	○	○
---	Solvent Orange 54	---	---	12237-30-8	○	○	■	▲	○	○
---	Solvent Orange 62	12714	---	52256-37-8	○	○	■	▲	○	○
---	Solvent Yellow 21	18690	---	5601-29-6	○	○	■	▲	○	○
---	Solvent Yellow 79	---	---	85455-32-9	○	○	■	▲	○	○
---	Solvent Yellow 82	---	---	12227-67-7	○	○	■	▲	○	○
---	Solvent Blue 5	42595:1	---	1325-86-6	○	○	■	▲	○	○
---	Solvent Blue 38	---	---	1328-51-4						
---	Solvent Blue 70	74400	---	12237-24-0	○	○	■	▲	○	○
---	Solvent Black 27	---	---	12237-22-8	○	○	■	▲	○	○
---	Solvent Black 28	---	---	12237-23-9	○	○	■	▲	○	○
---	Solvent Brown 43	Mixture	---	Mixture	○	○	■	▲	○	○
---	Solvent Green 852	Mixture	---	Mixture	○	○	■	▲	○	○
Transparent Blue S-RLS	Solvent Blue 45	---	---	23552-74-1	○	○	■	○	○	○
Transparent Blue GN	Solvent Blue 67	---	---	12226-78-7	○	○	■	○	○	○