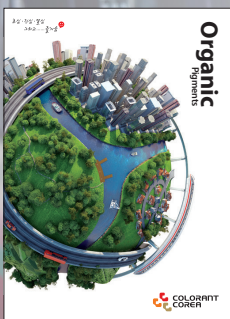


초심·진심·열심
그리고.....즐거움

Colorant Core Pigments & Dispersions



COLORANT COREA Co., Ltd. is a company specialized in manufacturing and selling eco-friendly & characterized functional lead free pigment and processed pigment like aqueous colorant. Taking 'Respect for human' and 'Customer impression' as highest value, we will make a return for customer's trust and expectation with best service satisfying customer's needs and stable supply of product.

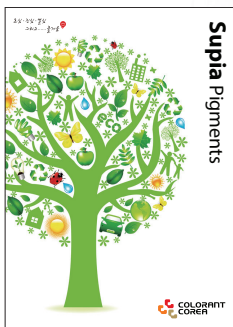
- We plan to be one step ahead of **challenges** by using our **creativity**, **passion** and analytical skills.
- We move forward by adapting to change, with **positive thinking and action**.
- We develop the future of color industries with **can-do attitude and contribute to coloring** the global village with splendid colors and enriching human life as well as caring for the environment.

MooHaN Colorant

2000.02.02 ~

2001.11.30 ~

Colorant Korea Pigments & Dispersions



+ History

- 2000.02.02 ○ 'MOOHAN Colorant' established (111-1, Jangjeon-Dong, Geumjeong-Gu, Busan)
- 2001.11 ● Changed company name to "COLRANT COREA" and Moved to Yangsan (782-4, Eogok-dong, Yangsan, Kyongnam)
- 2010.02.01 ● Converted to corporation, COLORANT COREA Co.,Ltd (1228-2, Joil-li, Samdong-myeon, Ulju-gun, Ulsan)
- 2011.05 ● Certified As Exclusive Dept. For Research (Korea Industrial Technology promotion Association)
- 2017.07 ● Signed cooperative agreement with DONG-EUI INSTITUTE OF TECHNOLOGY
- 2019.05 ● COLORANT COREA built #2 Factory. (32, Gongjak-gil, Gangseo-gu, Busan)
- 2019.06 ● Success for SME interdisciplinary integration and commercialization technology development business project. (Korea Technology & Information Promotion Agency for SMEs)
- 2021.02 ▼ #2 Factory expanded and Moved to near Headquarters. (Amnihabang-gil, Samdong-myeon, Ulju-gun, Ulsan)

Colorant Korea

2003.02.01 ~

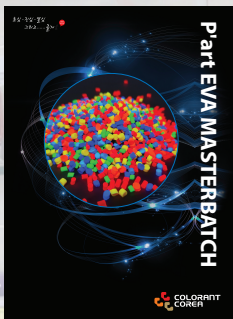
Colorant Korea Co., Ltd.

2010.02.30 ~



ISO 9001:2015
ISO 14001:2015

Colorant Core Pigments & Dispersions



+ Certifications



patent



Exclusive Dept for R & D



INNO-BIZ



Venture Business



MAIN-BIZ



Talent Development



ISO9001



ISO14001



Supia Trademark



Cera Pigments
(Eurasian)

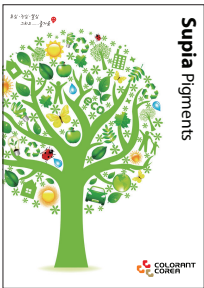


Eco Pigments
(Eurasian)



Organic Pigments
(Eurasian)

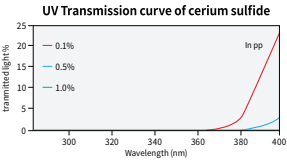
SUPIA HIGH-PERFORMANCE PIGMENT®



SUPIA High-Performance (HPP) is an environmentally responsible, high performance inorganic pigments which is rare earth-based pigments. This can be an alternative pigments cause it is effectively able to replace the CADMIUM, LEAD and the pigments based on the organic. SUPIA High-Performance (HPP) complies with the Council of Europe Resolution AP 89(1) for food contact as well as the European Union's EN 71-3 (Toy Safety Standard)

+ Main Features of Supia Pigment

- Heavy Metal FREE
- Unique soft crystal Inorganic Pigment
- Outstanding Thermal Stability (300°C)
- Exceptional Weather Resistance and Light fastness
- Infra-red Reflection Properties
- No bleeding and Migration



Technical data

Product Name	Co Lor INde X	MASSTONE	1:8 TINT	Specific Gravity (g/cm³)	oil absorption (g/100g)	Particle size (µm)	Sieve residue (325mesh %)	Heat resistance (°C)	Lightfastness
YELLOW S	PY-184								
L/ORNAGE S2	PO-78								
ORANGE S2	PO-75			4.5 ~ 5.0	20 ~ 28	1.0 ~ 2.0	> 0.3	300	8
RED S2	PR-265								
BURGUNDY S2	PR-275								
BLACK EN-1010				4.5 ~ 5.0	20 ~ 28	1.0 ~ 2.0	> 0.3	1,200	8

+ Main Uses of Supia Pigment

- PLASTIC (PE, PP, PS, PET, PBT, ABS, PC, NYLON)
- FIBER
- COATING
- COSMETICS etc

SUPIA HYBRID PIGMENT® BV SERIES



The pigments containing with heavy metal such as Lead , Cadmium etc have many limits in use. Supia Hybrid pigments is effectively improved in low Light fastness and insufficient hiding power so that they can be eco-friendly safe use in the field of Plastic, Paint & Coating industry.

+ Main Features of Supia hybrid Pigment

- Heavy Metal FREE
- Outstanding Thermal Stability
- Excellent Light fastness and Weather resistance
- No Bleeding and Migration

Technical data

Product Name	Co Lor INdeX	MASSTONE	1:8 TINT	Specific Gravity (g/cm³)	oil absorption (g/100g)	pH	Heat resistance (°C)	Light fastness
YELLOW BV 430S	PY-184			5.7	12 ~ 16	7.0 ~ 8.0	270	8
YELLOW BV 440	PY-184			5.7	14 ~ 20	7.0 ~ 8.0	240	8
YELLOW BV 433	MIXTURE			5.0	16 ~ 22	6.0 ~ 8.0	250	8
YELLOW BV 411	MIXTURE			3.2	22 ~ 28	6.0 ~ 8.0	250	7
ORANGE BV 550	MIXTURE			3.0 ~ 4.0	17 ~ 23	6.0 ~ 8.0	240	8
RED BV 630	MIXTURE			3.5 ~ 4.0	21 ~ 27	6.0 ~ 8.0	240	8

+ Main Uses of Supia hybrid Pigment

- PLASTIC
- PAINT
- INK

SUPIA HYBRID PIGMENT® MX SERIES



The pigments containing with heavy metal such as Lead , Cadmium etc have many limits in use. Supia Hybrid pigments is effectively improved in low Light fastness and insufficient hiding power so that they can be eco-friendly safe use in the field of Plastic, Paint & Coating industry.

+ Main Features of Supia hybrid Pigment

- Heavy Metal FREE
- Outstanding Thermal Stability
- Excellent Light fastness and Weather resistance
- Bright color and excellent hiding power
- No Bleeding and Migration

Technical data

Product Name	Co Lor INdeX	MASSTONE	1:8 TINT	Specific Gravity (g/cm ³)	Il absorption (g/100g)	Particle Size (μm)	Heat resistance (°C)	Light fastness
YELLOW MX34L	MIXTURE			2.7 ~ 3.3	27 ~ 33	≤ 2.0	250	7
YELLOW MX34M	MIXTURE							
YELLOW MX34D	MIXTURE							
YELLOW MX34R	MIXTURE							
ORANGE MX104	MIXTURE			2.5 ~ 3.1	36 ~ 44	≤ 2.0	250	7
GREEN MX13L	MIXTURE			3.0 ~ 3.5	20 ~ 25	≤ 2.0	250	7
GREEN MX13D	MIXTURE							

+ Main Uses of Supia hybrid Pigment

- PLASTIC
- PAINT
- INK

CERA PIGMENT



CERA PIGMENT is Complex Metal Oxide Pigment (or Ceramic Pigment), which is compound been solid-solution treatment mixed with materials selected Metal oxide, by calcination Process at High temperature, have stable crystal structure.

So that it is next generation pigment which is environment-friendly that have great heat resistance, physical and chemical features.

COLORANT COREA CO., LTD. will supply best services continuously and stably with optimized product for customer's needs.

Characteristics of product

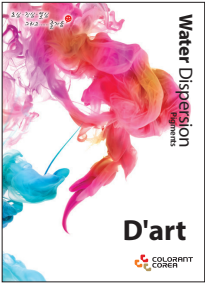
- Excellent Heat-resistance
- Excellent Light-resistance and Weather-resistance
- Excellent Chemical-resistance and Insolubility
- Non-bleeding, Non-migrating

Applications

- **Plastics** : It can be applied to all resin including of Engineering plastics like polyamide, polycarbonate and PVC, polyolene, ABS.
- **Surface Coatings** : Surface coating which requires heat-resistance, lightresistance, chemical resistance such as camouage pigment, stove equipment, coil coating
- **Ceramics** : Ceramic includes steel, cast iron and glass enamel, which requires heatresistance, etc.
- **Artist's colors** : High quality of oil-color and water soluble products and acrylic colorincluding pastel, etc.
- **Interior-exterior Material For Architecture** : Build material requires chemical-resistance, light-resistance such as concrete block, concrete roof tile.

Product Name Pigment Color Index			MASSTONE	1:8 TINT	Specific Gravity	Oil Absorption (ml/100g)	Particle Size (µm)	pH	Heat Stability (°C)
Cera Yellow [Ti-Ni-Sb] C.I Pigment	N4053L Yellow 53				4.6	13	1.2	8	1,000
Cera Yellow [Ti-Ni-Sb] C.I Pigment	JM4053 Yellow 53				4.8	13	1.2	9	1,000
Cera Yellow [Ti-Cr-Sb] C.I Pigment	T1024C Brown 24				4.5	14	1.0	7	1,000
Cera Yellow [Ti-Cr-Sb] C.I Pigment	PL1024 Brown 24				4.5	15	1.0	8	1,000
Cera Yellow [Zn-Fe] C.I Pigment	ZF15 Yellow119				4.0	20	2.0	6	900
Cera Yellow [Zn-Fe] C.I Pigment	ZF25M Yellow119				4.0	20	2.0	6	900
Cera Aqua [Co-Al-Ti] C.I Pigment	TK8028 Blue 28				3.8	25	2.0	11	1,000
Cera Blue [Co-Al] C.I Pigment	CO8028 Blue 28				4.0	30	0.9	8	1,200
Cera Blue [Co-Cr-Al] C.I Pigment	CO8036 Blue 36				4.5	20	0.9	8	1,200
Oxide Green [Cr] C.I Pigment	GA74 Green 17				5.3	20	0.5	7	900
Oxide Green [Cr] C.I Pigment	GA76 Green 17				5.3	20	0.5	7	900
Cera Green [Co-Cr-Zn-Ti] C.I Pigment	CM9926 Green 26				5.0	14	2.1	7	1,000
Cera Green [Co-Ni-Ti-Zn] C.I Pigment	CO9950 Green 50				5.0	12	1.2	9	1,000
Mn Violet [Mn] C.I Pigment	P7316 Violet 16				2.5	20	2.0	4	300
Red Brown C.I Pigment	MX2313 Mixture				4.0	30	1.0	5	300
Cera Black [Cu-Cr-Mn] C.I Pigment	MX2828 Black 28				5.0	22	1.5	6	900
Cera Black [Fe-Mn] C.I Pigment	F9900M Black 26				5.0	20	2.0	7	900

WATER DISPERSION



This product is resin free dispersion which can be used in any water based system.
"D'art" is VOC and APEO(Alkyl phenol Ethoxylate) FREE and manufactured using ISO9001 / ISO14001 accredited systems.

"D'art" can be easily incorporated in multiple types of aqueous mediums due to superior wetting and dispersing agents.

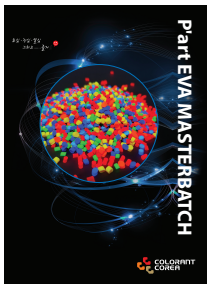
"D'art" forms stable dispersions without aggregation or agglomeration, resisting setting, flooding and floating.

"D'art" has high tinting strength with a small and uniform particle distribution.
"D'art" is ideally suited for use in factory tint color systems.

"D'art" can be used in many different applications, but is especially suited to exterior house paints due to the high quality pigments which have great weather stability, light fastness and chemical stability.

Product Name Pigment Color Index	FULL SHADE (20%)		TINT SHADE (2%)		Approx Pigment (%)	Specific Gravity	Light Fastness Approx	
							Full	Tint
D'art Yellow GX-3 C.I Pigment Yellow 3					40	1.14	6-7	6
D'art Yellow 2GX C.I Pigment Yellow 74					40	1.16	7	6
D'art Yellow 5GX C.I Pigment Yellow 154					40	1.15	8	8
D'art Orange HL36 C.I Pigment Orange 36					30	1.13	8	7
D'art Red 1010 C.I Pigment Red 112					40	1.16	7	6
D'art Red 1020 C.I Pigment Red 170					40	1.15	7	6-7
D'art Red 1030 C.I Pigment Red 254					40	1.14	8	7
D'art Red 1040 C.I Pigment Violet 19					40	1.16	7-8	7
D'art Violet R C.I Pigment Violet 23					30	1.13	7-8	7
D'art Blue UL C.I Pigment Blue 29					60	1.34	8	8
D'art Blue AFL C.I Pigment Blue 15					40	1.23	8	8
D'art Blue AFA C.I Pigment Blue 15					45	1.23	8	8
D'art Blue BFB C.I Pigment Blue 153					40	1.26	8	8
D'art Green GB C.I Pigment Green 7					45	1.34	8	8
D'art Green GM C.I Pigment Mixture					55	1.45	8	7-8
D'art Black BK(S) C.I Pigment Black 7					40	1.21	8	8
D'art Black BN C.I Pigment Black 7					40	1.2	8	8
D'art White TR C.I Pigment White 6					70	1.9	8	8
D'art Yellow OX23 C.I Pigment Yellow 42					60	1.78	8	8
D'art Red OX13 C.I Pigment Red 101					60	1.8	8	8

P'ART MASTERBATCH



It is an eco-friendly product designed to obtain uniform and high-quality products by facilitating compatibility and dispersibility with thermoplastic resins. Since there is no dust generation, a pleasant work environment can be maintained. Long-term storage stability is excellent. According to customer requirements, we are manufacturing and supplying various EVA (Ethylene Vinyl Acetate) MasterBatch products.

P'art EVA M/B Main application.

- Toys and mats for infants • Water play products
- Foam rollers and other sports equipment
- Soundproofing and sound-absorbing material
- Inter-floor sound insulation material
- Fishing gear (buoys) • Safety protective gear such as raincoats and life jackets
- Sneakers • Sandals • Shoe Soles
- Flexible hose • Other EVA products, etc.

Product Name		Color Sheet		Color Index	Resistance			Approx Pigment (%)
		Full Shade	(Tint) Shade		Light	Heat	Migation	
WHITE	E1062			PW-6	E	E	E	20~30
YELLOW	E2512			PY-14	G	G	VG	15~25
YELLOW	E2422			PY-42	E	N	E	15~25
YELLOW	E2832			PY-83	G	G	E	15~25
YELLOW	E2512			PY-151	E	E	E	15~25
ORANGE	E3132			PO-13	N	N	VG	15~25
ORANGE	E3642			PO-64	E	E	E	15~25
PINK	E4222			PR-122	E	E	E	15~25
RED	E4822			PR-48:2	G	G	E	15~25
RED	E4012			PR-101	G	G	E	15~25
RED	E4442			PR-144	E	G	E	15~25
RED	E4702			PR-170	E	G	E	15~25
RED	E4142N			PR-214	E	E	E	15~25
RED	E4542			PR-254	E	E	E	15~25
BLUE	E5152			PB-15	E	G	E	15~25
BLUE	E5512			PB-15:1	E	E	E	15~25
BLUE	E5532			PB-15:3	E	E	E	15~25
BLUE	E5292			PB-29	E	E	E	15~25
GREEN	E6072			PG-7	E	E	E	15~25
VIOLET	E8232			PV-23	E	E	E	15~25
YELLOW	E2500			FLUORESCENT	G	N	G	15~25
ORANGE	E3500			FLUORESCENT	G	N	G	15~25
PINK	E4400			FLUORESCENT	G	N	G	15~25
RED	E4160			FLUORESCENT	G	N	E	15~25
MAGENTA	E7700			FLUORESCENT	G	N	G	15~25
BLUE	E5500			FLUORESCENT	G	N	E	15~25
GREEN	E6500			FLUORESCENT	G	N	G	15~25
Performance (Heat Resistance)		E : Excellent 270~300 ℃		VG : Very Good 250 ℃ above	G : Good 200 ℃ above	N : Normal 150~180 ℃ above		