



◆ Pigment

◆ Color Paste

◆ Color Concentrate

◆ Additive



Dongguan Denson Functional Materials Co., Ltd.

Dongguan henvastness Import and Export Co., Ltd.

Company Introduction



Dongguan Denson Functional Materials Co., Ltd. is a professional R&D and manufacturing enterprise specializing in pigments. Our product range includes high weather-resistant pigment pastes, nano high-transparent color pastes, oily universal color pastes, water-based color pastes, UV-curable/EB (Electron Beam)-curable color pastes, epoxy resin color pastes, unsaturated polyester resin color pastes, polyurethane color pastes, silicone color pastes, and dispersant products. We also act as a distributor for high-performance organic pigments made in China. Hanwei Import and Export Co., Ltd. is our affiliated foreign trade company, responsible for providing services to overseas customers.

Our products are widely used in automotive coatings, industrial coatings, functional adhesives, 3C electronic adhesives, insulating materials, optoelectronic film materials, pressure-sensitive adhesives, composite materials, building materials, and other fields.



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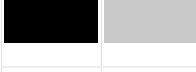
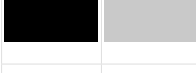
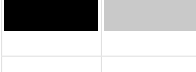
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Self-developed Featured Black Paste Series



► Oily Black Paste Series

Reference Color	Model	Category	Color Index	Pigment Content	Heat Resistance	Remarks
	FLTY-1000	Universal Neutral Black	MA100	20%	160°	800nm grade / Blue shade / Low viscosity / Good leveling / High gloss
	FLTY-1009	Thermosetting Blue-Shade Black	MA100	20%	180°	Thermosetting acrylic carrier / Blue shade / Good leveling / High gloss
	FLTY-1300	Universal Extra Black 6	Orion	15%	160°	High-pigment carbon black paste / Former Degussa Extra Black 6
	FLTY-1100	Thermoplastic Neutral Black	Orion	20%	120°	Thermoplastic acrylic carrier / Excellent alcohol resistance
	FLTY-105	Thermoplastic Blue-Shade Black	BK2	20%	120°	Thermoplastic acrylic carrier / Blue shade / Excellent alcohol resistance
	RFNC-1007	Resin-Free Neutral Black	BK7	30%	260°	High-coverage black paste with 30% pigment content

	RFNC-1003	Resin-Free Blue-Black	BK7	25%	260°	Environmentally friendly solvent carrier / Wide compatibility
	RFNC-1006	Resin-Free Extra Black	BK7	15%	260°	Extra 6 high-pigment black paste / Wide compatibility
	RFNC-1005	Resin-Free International Black	FW200	20%	260°	FW200 ultra-high structure high-pigment black paste / High transparency
	RFNC-1002	Organic Black	BLACK32	25%	280°	Organic pigment green-shade black / Near-ultraviolet absorption capacity
	RFNC-1004	Insulating Black Paste	BK7	40%	280°	High-concentration insulating black paste / Excellent insulation performance
	RFNC-1200	Polyurethane Black	BK7	30%	240°	Polyether polyol carrier / Suitable for polyurethane composite materials
	UP-867	Polyester Polyol Black Paste	BK7	30%	250°	Suitable for unsaturated polyester resin composite materials
	UP-866	Unsaturated Polyester Black Paste	BK7	30%	250°	Suitable for unsaturated polyester resin pultrusion process and composite materials
	EP-966	Epoxy Neutral Black	Imported Carbon Black	30%	280°	Imported Cabot carbon black / High pigment content
	EP-988	Epoxy Extra Black	Imported Carbon Black	15%	300°	High-pigment carbon black paste / Adopting Mercedes-Benz black pigment for automotive coatings
	FLUV-1305	UV Extra Black	Imported Carbon Black	30%	260°	Imported Cabot carbon black / High pigment content
	BK7	Nano Transparent Black	Imported Carbon Black	20%	280°	150nm fineness / 8-level outdoor lightfastness / No discoloration for 5 years

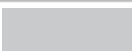
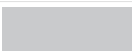
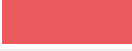
► Water-Based Black Paste Series

Reference Color	Model	Category	Color Index	Pigment Content	Heat Resistance	Remarks
	WT-1300W	Water-Soluble Black Paste	PBK7	35%	160°	Lightfastness Grade 8 / Migration Resistance Grade 5 / Excellent alcohol resistance
	WT-1900W	Water-Soluble Extra Black	PBK7	35%	180°	
	GT-6017	Pure Water-Based Black Paste	M100	45%	160°	Lightfastness Grade 8 / Migration Resistance Grade 5 / High pigment content

Oil-Based Resin-Free High-Performance Pigment Paste (RFNC Series)



Free of any resin components, avoiding reactions with resins in terminal formulations. It features strong adaptability and wide compatibility. By selecting high-quality environmentally friendly solvents and dispersants, it is compatible with most common solvent-based resin systems (such as acrylic, polyurethane, epoxy resin, etc.). With high pigment concentration, strong tinting strength, and excellent long-term storage stability, it is widely used in industrial coatings, inks (flexographic printing inks, gravure inks), plastic coloring (preparation of solvent-based masterbatches for PVC, ABS, etc.).

Base Color	Diluted Color	Product Model	Color	Color Index	Solid Content	Halogen
		RFNC-1007	Jet Black	BK7	45%	ND
		RFNC-1003	Blue-Black	BK7	40%	ND
		RFNC-1004	Full-covering Insulating Black	BK7	55%	ND
		RFNC-1006	Extra Black	BK7	35%	ND
		RFNC-1005	High-Pigment International Black	FW200	30%	ND
		RFNC-5000	Super Black	BK7	30%	ND
		RFNC-9002	Extra White	W6	80%	ND
		RFNC-8225	Brilliant Yellow	PY.151	45%	ND
		RFNC-8223T	High-Transparent Greenish Golden Yellow	PY.150	25%	ND
		RFNC-8227T	High-Transparent Medium Yellow	PY.180	30%	ND
		RFNC-8229	Golden Yellow	PY.181	45%	ND
		RFNC-8229T	High-Transparent Golden Yellow	PY.139	30%	ND
		RFNC-8371T	Hostaperm Transparent Orange	P0.71	30%	ND
		RFNC-8373	Orange	PO.73	45%	ND
		RFNC-8360	Scarlet Red	PR.170	45%	ND
		RFNC-8370	Bright Red	PR.170	45%	ND
		RFNC-8380T	High-Transparent China Red	PR.254	45%	Contains Halogen
		RFNC-8367	Hostaperm Transparent Red	PR.177	45%	ND
		RFNC-8377T	High-Transparent Novoperm Red	PR.177	30%	ND
		RFNC-8368T	High-Transparent Reddish-Purple	PV.19	40%	ND
		RFNC-8322T	High-Transparent Peach Red	PR.122	30%	ND
		RFNC-8537	Halogen-free Purple	PV.37	35%	ND
		RFNC-8523T	High-Transparent Purple	PV.23	30%	Contains Halogen
		RFNC-8653	Brilliant Blue	PB.15:3	45%	ND
		RFNC-8650	Red-shade Blue	PB.15:1	45%	ND
		RFNC-8655	High-Transparent Green-shade Blue	PB.15:4	45%	ND
		RFNC-8660T	High-Transparent Violet Blue	PB.60	30%	ND
		RFNC-8607	Brilliant Green	PG.7	45%	Contains Halogen
		RFNC-8608	Halogen-free Green	Composite Pigment	45%	ND

Note: Halogen (ND indicates no halogen-containing raw materials are added in the formula structure. However, absolute halogen-free performance cannot be guaranteed in all environments. For reference only.)

Oil-Based Universal Resin Carrier Paste (FLTY Series)

Oily color paste with aldehyde-ketone resin as the carrier. It features high compatibility, fast drying, excellent gloss, and strong adhesion. With good stability, it has better yellowing resistance and weather resistance than some acrylic resin color pastes. Widely used in high-end coatings, inks, and plastic coloring fields.



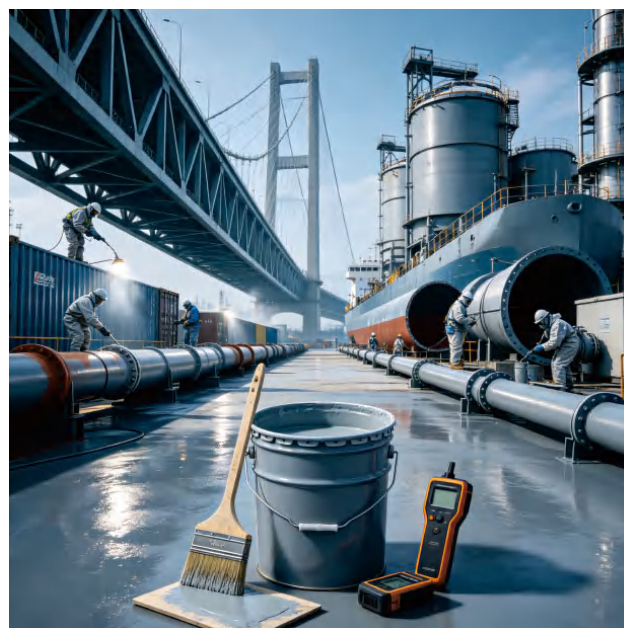
► Oily Universal Color Paste / FLTY Series

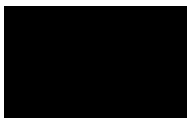
Reference Color	Model	Color	Color Index	Pigment Content	Remarks
	FLTY-2500	Lemon Yellow	PY.81	25%	(Outdoor) Clariant H10G Yellow / Pigment Yellow 81
	FLTY-2600	Primary Yellow	PY.14	30%	(Indoor) PY14 Coating Standard Primary Yellow / Hiding type
	FLTY-2700	Medium Yellow	PY.55	25%	(Indoor) Organic Pigment PY55 / Hiding type Medium Yellow (Red shade)
	FLTY-2800	Golden Yellow	PY.83	20%	(Outdoor) Golden Fish Yellow (Red shade) / Clariant HR70
	FLTY-2900	Ultra Weather-Resistant Golden Yellow	BASF 3RLNT	25%	(Outdoor) BASF 3RLNT / Outdoor lightfastness over 3 years / High weather resistance Red shade Yellow
	FLTY-3100	Bright Orange	PO16		(Indoor) Bright Orange-Red / Good fluidity / Excellent chemical resistance
	FLTY-3200	Orange Red	PO34		(Indoor) Orange Red PO34 / High chroma Bright Orange
	FLTY-3500	Scarlet Red	48:3		(Indoor) Standard BBC Coating Scarlet Red
	FLTY-3132	Scarlet Red	PR21	30%	(Indoor) Ultra-Bright Coating Scarlet Red
	FLTY-3600	Scarlet Red	F5RK		(Outdoor) Clariant F5RK / Standard outdoor lightfastness 1 year

		FLTY-3700	Bright Red	F3RK	30%	(Outdoor) Clariant F3RK / Standard outdoor lightfastness 1 year
		FLTY-3800	Chinese Red	PR254	30%	High weather resistance Chinese Red / Outdoor lightfastness over 3 years
		FLTY-3770	Magenta	PR177	15%	PR177 Brilliant Carmine A3B
		FLTY-5200	Peach Red	PR122	30%	Clariant 122 PINK-E / No migration
		FLTY-5300	Permanent Violet	V23	25%	Clariant RLS (Red-shade Violet)
		FLTY-6500	Colorful Blue	PB15:3	50%	Colorful Blue / BASF K7090 Phthalocyanine Blue
		FLTY-6700	Colorful Green	PG7	20%	Phthalocyanine Green / BASF L8730 Phthalocyanine Green
		FLTY-6028	Royal Blue	PB29	20%	Pb29 France Holliday Ultramarine 5008
		FLTY-1000	Nano Neutral Black	MA100	15%	Nano grade (800nm) / Mitsubishi MA100 Carbon Black / Blue shade / Low viscosity / Excellent leveling / High gloss / Universal
		FLTY-1009	Blue-Shade Black	MA100	22%	Nano grade / Slightly thick / Mitsubishi MA100 Carbon Black / Blue shade / Low viscosity / Excellent leveling / High gloss / Universal
		FLTY-1300	6Extra Black 6	Orion	20%	Orion (Former Degussa Extra Black 6)
		FLAC-105	Thermoplastic Blue-Shade Black	BK2	75%	Thermoplastic acrylic carrier / Blue shade / Excellent alcohol resistance
		FLAC-1100	Thermoplastic Neutral Black	Orion	75%	Thermoplastic acrylic carrier / Excellent alcohol resistance
		FLTY-902H	Ultra White	Titanium Dioxide	60%	High whiteness oily universal color paste (Imported Titanium Dioxide)
		FLTY-706	Extra White	DuPont 706	65%	DSM High-temperature resistant polyester resin / DuPont Titanium Dioxide / High whiteness / No yellowing
		FLTY-313	Iron Yellow	PY.42	60%	(Outdoor) 313 Iron Oxide Yellow (Standard inorganic pigment)
		FLTY-190	Iron Red	PR101	65%	(Outdoor) 190 Iron Oxide Red (Standard inorganic pigment)
		FLTY-1916	Transparent Iron Yellow	PY.42	45%	BASF Transparent Iron Yellow Pigment / Teal Gold shade / Strong metallic feel / High transparency
		FLTY-2817	Transparent Iron Red	PR101	45%	BASF Transparent Iron Red Pigment / Champagne Gold shade / Strong metallic feel / High transparency
		FLTY-618	Medium Chrome Yellow	618	60%	High-concentration Medium Chrome Yellow (Bright inorganic Medium Yellow)
		FLTY-811	Lemon Chrome Yellow	811	60%	High-concentration Lemon Chrome Yellow (Bright inorganic Yellow)

SEP Electronic-Grade Epoxy Color Paste

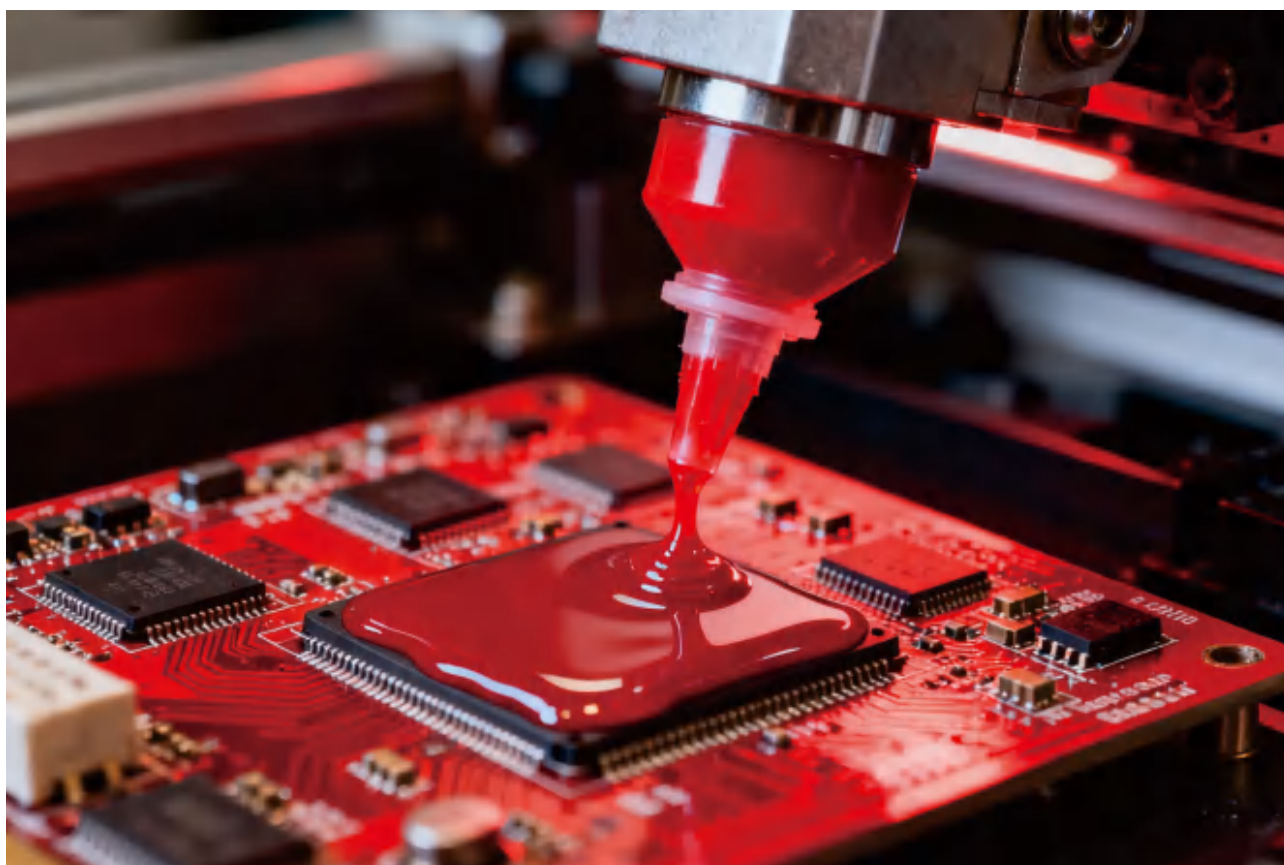
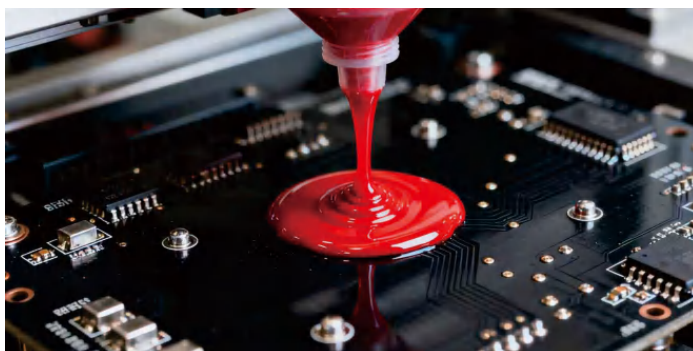
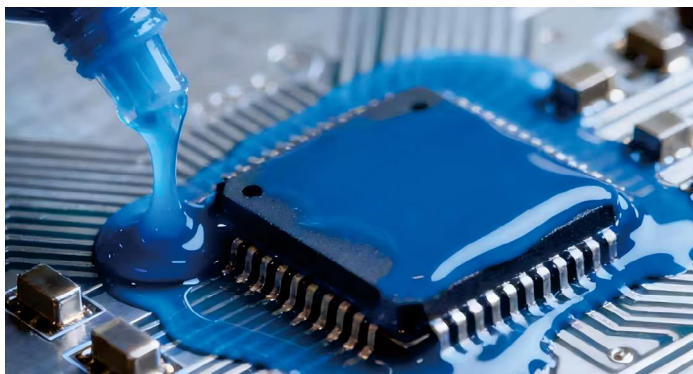
SEP Electronic-Grade Epoxy Color Paste, solvent-free, high fineness with narrow particle size distribution, no interference to epoxy curing, migration-resistant and stable insulation. Suitable for electronic potting, LED encapsulation, PCB three-proof coating, power module, component encapsulation, dry-type transformer, epoxy carbon-fiber composite material, epoxy aramid-fiber bullet-proof material. Features long-lasting and accurate color, compliant for precision electronic manufacturing.



Reference Color	Model	Color	Color Index	Pigment Content	Heat Resistance	Pigment Content	Remarks
	SEP	Epoxy White	PW6	50%	260°	7	Imported Rutile Titanium Dioxide
	SEP-988	Epoxy Extra Black	BK7	15%	300°	8	Adopts Mercedes-Black pigment for automotive paint
	SEP-9202	Epoxy Brilliant Yellow	PY.150	25%	260°	7	Swiss Clariant Organic Pigments
	SEP-9205	Epoxy Golden Yellow	PY.151	25%	260°	8	Imported BASF High Weather-resistant Golden Yellow
	SEP-9328	Epoxy Bright Red	P.R.170	25%	210°	6	Swiss Clariant Organic Pigments
	SEP-9326	Epoxy Vivid Red	P.R.254	30%	260°	8	Imported Organic DPP Red
	SEP-9631	Epoxy Brilliant Blue	P.B.15:3	30%	260°	8	Imported BASF Blue Pigment
	SEP-9673	Epoxy Brilliant Green	PG.7	25%	260°	8	Imported BASF Green Pigment
	SEP-955	Epoxy Violet	PV.23	15%	260°	8	Imported DIC (Japan) Eco-friendly Purple
	SEP-3130	Epoxy Iron Yellow	313	65%	200°	8	German Lanxess Iron Oxide
	SEP-3190	Epoxy Iron Red	190	65%	300°	8	German LANXESS Iron Oxide

Solvent-Free Epoxy Resin Paste (EP Series)

Solvent-free epoxy color paste is a colorant with epoxy resin as the carrier and high-concentration pigment dispersed. Specifically designed for coloring epoxy coatings, adhesives, composite materials, etc. Its core features include strong adhesion, excellent chemical resistance, outstanding mechanical strength, high hardness after curing, and excellent wear resistance. Suitable for high-performance scenarios such as anti-corrosion, electronic packaging, and floor coatings.



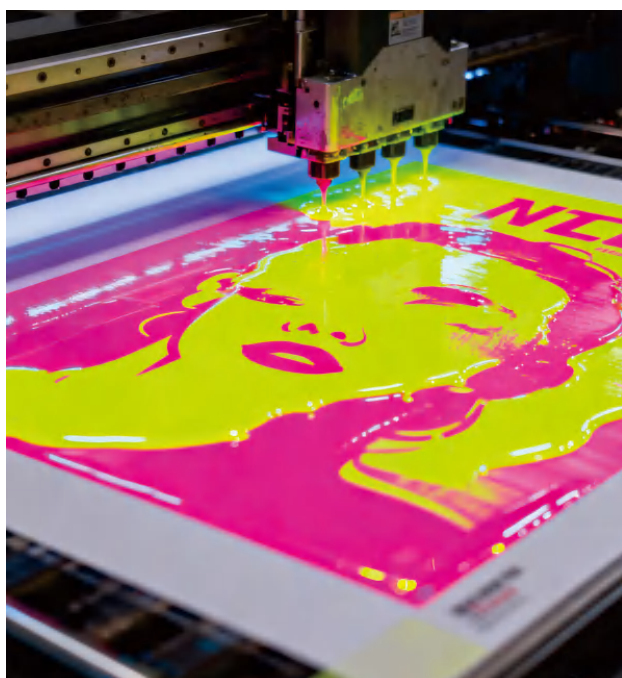
► Solvent-Free Epoxy Color Paste / EP Series

Reference Color	Model	Heat Resistance	Lightfastness	Halogen	Remarks
	EP Epoxy Imported White	260°	7	ND	Imported Titanium Dioxide / Pigment content 50%
	EP-900 Extra White	260°	7-8		DuPont Imported Titanium Dioxide / Pigment content 75%
	EP-966 Extra Black	280°	8		Imported Cabot Carbon Black / Pigment content up to 30%
	EP-988 Epoxy Extra Black	300°	8		Adopting Mercedes-Benz black pigment for automotive coatings / Pigment content up to 15%
	EP-902 Primary Yellow	260°	7-8		Clariant Organic Pigment / Outdoor lightfastness over 3 years
	EP-903 Medium Yellow	240°	7		Clariant HG Environmental Pigment / Outdoor lightfastness over 3 years
	EP-905 Golden Yellow	260°	8		BASF Imported High Weather-Resistant Golden Yellow / Outdoor lightfastness over 5 years
	EP-904 Bismuth Vanadate Yellow	300°	8	ND	BASF Imported High Weather-Resistant Bismuth Yellow / Outdoor lightfastness over 5 years
	EP-925 Bright Orange	260°	7	ND	Cabot Bright Orange / Outdoor lightfastness over 2 years
	EP-1505 Orange Red	200°	4		Environmental Organic Orange / Suitable for indoor use
	EP-923 Scarlet Red	200°	4		Environmental Organic Scarlet Red Pigment / Suitable for indoor use
	EP-928 Scarlet Red	210°	6	ND	Clariant Organic Pigment / Outdoor lightfastness over 3 years
	EP-926 Bright Red	260°	8		Imported Organic DPP Red / Outdoor lightfastness over 3 years
	6B Rose Red		8		Japanese Imported Rose Red / Bright high gloss
	EP-927 Magenta		8	ND	DIC Japanese Imported Magenta / Outdoor lightfastness over 3 years
	EP-929 Peach Red		7-8	ND	Clariant PINK Peach Red / Outdoor lightfastness over 3 years
	EP-932 Ultramarine	250°	6		Holliday UK Imported Ultramarine
	EP-931 Colorful Blue	260°	8	ND	BASF Imported Blue Pigment / Outdoor lightfastness over 5 years
	EP-973 Colorful Green				BASF Imported Green Pigment / Outdoor lightfastness over 5 years
	EP-955 Permanent Violet				DIC Japanese Imported Environmental Permanent Violet
	EP-956 Halogen-Free Violet			ND	Clariant No.19 Halogen-Free Violet
	National Standard Iron Yellow	200°		ND	65% LANXESS Germany Iron Oxide / Lightfastness over 10 years
	National Standard Bright Iron Red	300°		ND	70% LANXESS Germany Iron Oxide / Lightfastness over 10 years
	Coated Medium Chrome Yellow	220°	7-8		Temperature resistant 210°C / Fully coated Chrome Yellow / Lightfastness over 5 years
	Light Yellow Lemon Chrome Yellow	220°	7-8		Temperature resistant 210°C / Fully coated Chrome Yellow / Lightfastness over 5 years

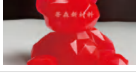
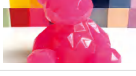
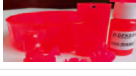
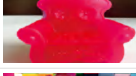
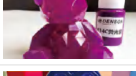
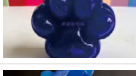
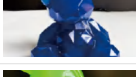
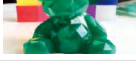
Note: Lightfastness (Grade 1 = lowest, Grade 8 = highest) | Halogen (ND = Halogen-Free). Unmarked items may contain halogen group VIIA elements.

Solvent-Free Epoxy Fluorescent Paste (UPS Series)

Solvent-free epoxy fluorescent color paste is a special colorant made by dispersing fluorescent pigments in epoxy resin carrier. It exhibits high-brightness fluorescent effect under UV or visible light excitation. Widely used in safety signs, anti-counterfeiting coatings, high-end decorations, electronic markers, and other fields.



► UPS Series - Solvent-Free Epoxy Fluorescent Color Paste

Color	Reference Color	Model	Remarks
		8009 Fluorescent Porcelain White	Lightfastness Grade 3 / Recommended for indoor use / Addition amount 10-15%
		809C Fluorescent Lemon Yellow	
		8001 Fluorescent Medium Yellow	
		8002 Fluorescent Golden Yellow	
		811C Fluorescent Orange Red	
		804C Fluorescent Orange Yellow	
		804R Fluorescent Orange	
		805C Fluorescent Red	
		812C Fluorescent Bright Red	
		8004 Fluorescent Bright Magenta	
		806C Fluorescent Pink	
		807C Magenta	
		8008 Fluorescent Magenta	
		8003 Fluorescent Violet	
		814C Fluorescent Violet	
		8006 Fluorescent Colorful Blue	
		801C Fluorescent Blue	
		8005 Fluorescent Apple Green	
		802C Fluorescent Green	
		8007 Fluorescent Colorful Green	

Oil-Based Resin-Free High-Transparency Nano Pigment Paste (NA Series)

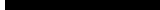
Resin-free nano color paste is a high-stability coloring system with nano-grade pigments dispersed in organic solvents. It features ultra-fine particle size (90–150nm), strong tinting strength, and wide compatibility. Suitable for high-end inks, automotive coatings, electronic materials, plastic masterbatches, and other fields.



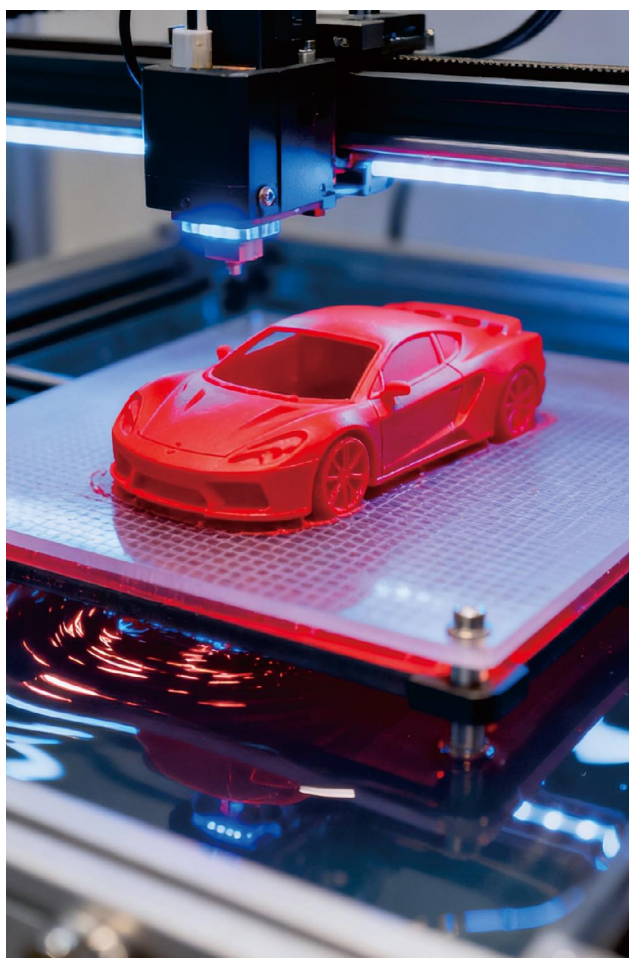
Resin-free formula ensures high color transparency, close to the full transparency of dyes. No discoloration after baking at 260 °C for 10 minutes or 220 °C for 30 minutes. Excellent lightfastness and aging resistance, suitable for UV coatings. Ultra-strong lightfastness (Grade 8+ / Outdoor lightfastness over 5 years) and outstanding weather resistance.

Ultra-fine particle size (90nm grade) / 8-level outdoor lightfastness / No discoloration for 5 years / Excellent dispersibility / Widely used in various industries:

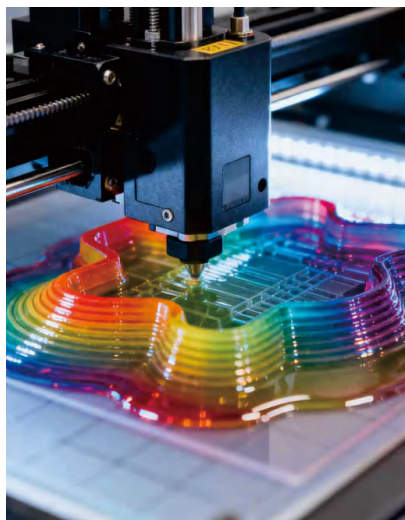
- ▶ **Optoelectronic Film Field:** Compatible with functional films of optical-grade PET, PC, amorphous polyolefin, BOPET substrates (such as anti-peeping films, light-filtering films, touch screen optical films) without affecting optical performance and mechanical stability.
- ▶ **Electronic Packaging:** Used for coloring solvent-based packaging materials of electronic components. Nano-grade particles do not interfere with insulation and thermal conductivity of packaging layers.
- ▶ **High-End Coatings:** Enhances gloss and weather resistance of automotive topcoats and high-end industrial coatings.
- ▶ **Ink Printing:** Suitable for precision printing (such as electronic circuit board marking, high-end packaging hot stamping inks) to ensure delicate patterns and uniform colors.
- ▶ **Functional Plastics:** Used for coloring optical plastics (such as lenses, lens substrates) without affecting light transmittance and mechanical strength.

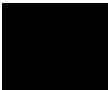
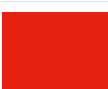
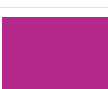
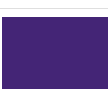
Reference Color	Model	Pigment Content	Heat Resistance	Halogen	Remarks
	254 Bright Red (Ferrari Red)	20	260°	Contains Halogen	90–150nm / 8-level outdoor lightfastness / No discoloration for 5 years
	177 Brilliant Carmine	15		30%	
	122 Transparent Peach Red	15		ND	
	150 Transparent Teal Gold	18			
	1139 Transparent Golden Yellow	20			
	PG7 Transparent Jade Green	20	280°	Contains Halogen	
	1154 Transparent Colorful Blue	18	260°		
	60 Transparent Violet	15	260°	ND	
	23 Transparent Permanent Violet	15	260°	ND	
	19 Halogen-Free Transparent Magenta	20	280°	Contains Halogen	
	156 Sky Blue	18	260°	ND	
	2817 Transparent Champagne Gold	40	300°		
	BK7 Transparent Nano Black Paste	20	280°		
	1916 Transparent Gold	40	300°		
	1021 Blue-Shade Hiding Black	20	280°		

UV-Curable | EB Electron Beam Curable Paste (FLUV Series)



Adopts environmentally friendly TMPTA monomer as carrier, solvent-free, does not affect UV curing efficiency. Good compatibility with various UV resins on the market, complete reaction with photoinitiators without residue. Smaller pigment particles ($D_{50} = 200\text{nm}$) for better color development. Uses high-performance organic pigments with bright colors and excellent color retention under UV irradiation of various intensities. Free of heavy metals and plasticizers, safer and more environmentally friendly. Suitable for UV inks, UV coatings, UV metal printing, UV-curable adhesives, UV nail polish tinting, photosensitive 3D materials, UV-curable coatings, EB electron beam curable coatings, EB adhesives, etc.



Reference Color	Model	Product Name	Particle Size Grade	Pigment Content	Heat Resistance	Light Fastness	Halogen	Remarks
	FLUV-595	Extra White	Nano Grade	60%	260°	7	ND	Fully imported Titanium Dioxide
	FLUV-1305	Extra Black		30%	260°	7-8	ND	Imported Cabot Carbon Black
	FLUV-2600	Primary Yellow		30%	200°	5		Imported Organic Primary Yellow / High transparency / High weather resistance
	FLUV-2975	Brilliant Yellow	Nano Grade	30%	250°	7-8	ND	Organic Pigment Brilliant Yellow / Good lightfastness
	FLUV-2985	Medium Yellow	Nano Grade	40%	230°	7	ND	Organic Pigment Medium Yellow / Good lightfastness
	FLUV-2905	Golden Yellow	Nano Grade	40%	240°	8	ND	Ultra Weather-Resistant Golden Yellow / Good lightfastness
	FLUV-3500	Bright Red		30%	220°	6		Organic Pigment Bright Red / Good lightfastness
	FLUV-3785	Scarlet Red	Nano Grade	40%	240°	7	ND	Organic Pigment Scarlet Red / Good lightfastness
	FLUV-3805	Chinese Red	Nano Grade	40%	240°	8		High-end Imported Organic Scarlet Red
	FLUV-3905	Magenta	Nano Grade	40%	240°	8	ND	Dark Rose Red shade
	FLUV-3205	Bright Orange		30%	200°	5		Cabot USA Imported Bright Orange
	FLUV-5205	Peach Red	Nano Grade	40%	240°	7-8	ND	Imported Organic Pigment Peach Red / Good lightfastness
	FLUV-5305	Permanent Violet		20%	240°	7		DIC Japanese Imported Environmental Permanent Violet
	FLUV-6530	Emerald Blue		30%	260°	8	ND	BASF Imported Pigment / Outdoor lightfastness over 5 years
	FLUV-6600	Violet Blue	Nano Grade	30%	260°	8	ND	BASF Imported Pigment / Outdoor lightfastness over 5 years
	FLUV-6700	Colorful Green		30%	260°	8		BASF Imported Pigment / Outdoor lightfastness over 5 years

Fluorescent Pigment Paste for UV-Curable Materials (FLUV Series)

UV-curable fluorescent pigment color paste features fluorescence under UV irradiation and bright colors. Widely used in coatings, inks, plastics, and other industries. Applications in various industries:

- **Coating Industry:**

Can be used to produce luminous coatings and decorative coatings.

- **Ink Printing Industry:**

Commonly used to make anti-counterfeiting inks for printing on bills, certificates, tobacco and alcohol packaging, etc.

- **Plastic Industry:**

Suitable for injection molding and extrusion molding of various plastic materials such as PE, PP, ABS, etc.

- **Electronic Products Industry:**

Suitable for marking and key parts of electronic products.

- **Crafts and Art Field:**

Can be used to make fluorescent crafts such as fluorescent ornaments and accessories, showing unique beauty at night or under UV light.

- **Cosmetics Industry:**

Can be used to produce high-brightness makeup products such as fluorescent lipstick and eye shadow.

- **Textile and Garment Industry:**

Used as textile printing paste to print fluorescent patterns and texts on clothing, often used in the design of hip-hop clothing, sports shoes, etc. to highlight personality and fashion.



► FLUV UV-Curable Fluorescent Pigment Color Paste / EB Electron Beam Curable Color Paste

It adopts environmentally friendly modified resin and TP eco-friendly monomers as carriers, containing no solvents. It features bright color and will not affect the photocuring efficiency. It has excellent compatibility with various UV resins on the market, and reacts completely with photoinitiators without any residue. The pigment particles are smaller with a D50 particle size of 200 nanometers. It does not emit light at night and is not suitable for long-term outdoor exposure. Free of heavy metals and plasticizers, it is safer and more environmentally friendly. It is applicable for UV inks, UV coatings, UV metal printing, UV photocurable adhesives, UV nail polish tinting, photosensitive 3D printing materials, and photocurable coatings.

Reference Color	Model	Product Name	Pigment Content	Heat Resistance	Lightfastness	Remarks
	FLUV-1801	Fluorescent Blue	50%	220°	Grade 2-3	Solvent-free / Does not affect UV curing efficiency
	FLUV-1802	Fluorescent Green				
	FLUV-1804C	Fluorescent Orange Yellow				
	FLUV-1804R	Fluorescent Orange				
	FLUV-1805	Fluorescent Red				
	FLUV-1806	Fluorescent Pink				
	FLUV-1807	Fluorescent Peach Red				
	FLUV-1809	Fluorescent Yellow				
	FLUV-1811	Fluorescent Orange Red				
	FLUV-1812	Fluorescent Bright Red				
	FLUV-1814	Fluorescent Violet				



Water-Soluble Resin-Free Paste (WT Series)

Resin-free formula, water as main dispersion medium. Environmentally friendly colorant with pigments stably dispersed in water by adding dispersants, wetting agents and other additives. Core features: low VOC, non-toxic, easy to clean. Suitable for water-based coatings, textile printing, paper coloring, cosmetics, and other fields.



Recommended Usage: Dilute with water at 1:1 before adding to the system for better color development and compatibility. Direct addition is also acceptable.

► Water-Soluble Resin-Free Color Paste / WT Series

Application Fields: Water-soluble acrylic paint, water-based metal baking paint, water-based glass paint, water-based wood paint, water-based plastic paint, water-based floor paint, automotive refinish coatings, original automotive coatings.

Reference Color	Model	Color	Color Index	Pigment Content	Remarks
	WT-5101T	Transparent Iron Red	PR101	45%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5042T	Transparent Iron Yellow	PR42	45%	
	WT-706W	Titanium Dioxide	PW06	65%	Heat-resistant up to 230°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-IW606	Titanium Dioxide	PW06	65%	
	WT-1300W	Black	PBK7	35%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-1900W	Blue-toned Extra Black	PBK7	35%	
	WT-5170	Bright Red	PR170	35%	Heat-resistant up to 240°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	WT5173	Vivid Red	PR170	35%	
	WT-5250T	Transparent Vivid Red	PR254	28%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5177T	Transparent Yali-Jia Red	PR177	35%	
	WT5710	High Weather-resistant Lemon Yellow	PY184	60%	Heat-resistant up to 240°C / Lightfastness Grade 8, maintains excellent sun-fast performance even at low addition dosage
	WT5720	Brilliant Yellow	PY151	30%	Heat-resistant up to 230°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5750	Fresh Yellow	PY151	35%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5740	Medium Yellow	PY74	35%	Heat-resistant up to 170°C / Lightfastness Grade 5 / Migration Resistance Grade 5
	WT-5130	Orange	PO13	30%	Heat-resistant up to 170°C / Lightfastness Grade 4 / Migration Resistance Grade 5
	WT-5730	High Weather-resistant Orange Red	PO73	35%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5830	Golden Yellow	PY83	25%	Heat-resistant up to 210°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	WT-5830T	Transparent Golden Yellow	PY83	25%	Heat-resistant up to 210°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	WT-5070	Transparent Green	PG7	35%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	WT-5153T	Turquoise Blue	PB35	35%	
	WT-5028	Royal Blue	PB15:6	35%	
	WT5108	Ultramarine Blue	PB28	35%	
	WT-5230	Transparent Violet	PV23	28%	Heat-resistant up to 240°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	WT-5206	Magenta	P.R.146	35%	Heat-resistant up to 180°C / Lightfastness Grade 6 / Migration Resistance Grade 5
	WT-5200T	Transparent Peach Red	PR122	35%	Heat-resistant up to 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5

Recommended Usage: Dilute the color paste with mineral water at 1:2 or 1:1, then add slowly for better gloss and compatibility.

Pure Water-Based Industrial Paste (GT Series)



Pure water-based industrial color paste:

Resin-free, zero VOC, high compatibility, solvent-free. Composed of water + pigments + environmentally friendly additives. Excellent weather resistance, chemical resistance, and high-shear stability. Good compatibility with various water-based acrylic/epoxy/polyurethane industrial paints.

Application Scenarios & Compatible Systems:

Matching water-based heavy-duty anti-corrosion coatings, automotive parts coating, coil coatings, etc.

Addition Amount:

5-15% (total formula), can be added directly without dilution.

► Pure Water-Based Industrial Color Paste / GT Series

Reference Color	Model	Color	Color Index	Pigment Content	Remarks
	GT6017	Black	P.BK.7	45%	Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	BK7H	Blue-Light Extra Black	P.BK.7	40%	
	GTW996	White	996	65%	Temperature resistant 230°C / Lightfastness Grade 6-7 / Migration Resistance Grade 5
	GT6508	Ultramarine	PB29	55%	Temperature resistant 240°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	GT6321	Scarlet Red	PR21	45%	Temperature resistant 170°C / Lightfastness Grade 3 / Migration Resistance Grade 5
	GT6370	Scarlet Red	PR170		Temperature resistant 210°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	GT6214	Primary Yellow	PY.14		Temperature resistant 200°C / Lightfastness Grade 4 / Migration Resistance Grade 4
	GT6213	Medium Yellow	PY.13		Temperature resistant 210°C / Lightfastness Grade 5 / Migration Resistance Grade 5
	GT6230	Lemon Yellow	PY.3		Temperature resistant 170°C / Lightfastness Grade 3 / Migration Resistance Grade 5
	GT6283	Golden Yellow	PY83	48%	Temperature resistant 210°C / Lightfastness Grade 6-7 / Migration Resistance Grade 5
	GT6330	Orange	PO13		Temperature resistant 190°C / Lightfastness Grade 5 / Migration Resistance Grade 5
	GT6530	Brilliant Blue	15:3	50%	Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	GT6510	Royal Blue	15:0	48%	Temperature resistant 230°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	GT6570	Green	PG7	50%	Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	GT6380	Magenta	PR8	45%	Temperature resistant 200°C / Lightfastness Grade 4-5 / Migration Resistance Grade 4
	GT6322	Peach Red	PR122	25%	Temperature resistant 230°C / Lightfastness Grade 7-8 / Migration Resistance Grade 5
	GT6523	Violet	PV23		Temperature resistant 240°C / Lightfastness Grade 7 / Migration Resistance Grade 5
	GT6503	Violet	PV3		Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	GT6350	Bright Red	PR254	55%	Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	Y-42	Iron Yellow	PY.42	65%	Temperature resistant 180°C / Lightfastness Grade 8 / Migration Resistance Grade 5
	R-110	Iron Red	PY.110	75%	Temperature resistant 240°C / Lightfastness Grade 8 / Migration Resistance Grade 5

Water-Based Dispersants	Product Features
Water-Based Dispersant DS-W72	Pure water-based dispersant / Special for black pigments / Excellent viscosity reduction / Suitable for high-concentration black paste (Special for black)
Water-Based Dispersant DS-W75	Pure water-based dispersant / For white and inorganic pigments / Excellent viscosity reduction (Titanium Dioxide and inorganic pigments)
Water-Based Dispersant DS-W79	Water-based dispersant / Suitable for wetting and dispersing organic pigments / High gloss / Good compatibility (High chroma organic pigments)

Water-Based Fluorescent Pigment Paste (WH Series)

Water-based fluorescent color paste is composed of water + pigments + environmentally friendly additives + emulsifiers. It has excellent weather resistance, chemical resistance, and high-shear stability. Good compatibility with various water-based acrylic/epoxy/polyurethane industrial paints. Recommended for indoor use. Exhibits high-brightness fluorescent effect under UV or visible light excitation.

Suitable for coloring plastics, coatings, paints, resins, stationery, and other industries. Our color pastes feature strong tinting strength, high pigment content, good dispersibility, and excellent acid and alkali resistance. Fluorescent pigments are special products different from general traditional pigments.



► Pure Water-Based Industrial Color Paste / GT Series

Reference Color	Model	Color	Remarks
 	W21H	Magenta	Lightfastness Grade 3 / Recommended for indoor use / Addition amount 10-15%
 	W14H	Orange Red	
 	W20H	Peach Red	
 	W17H	Bright Yellow	
 	W16H	Medium Yellow	
 	W18H	Bright Green	
 	W12H	Bright Red	
 	W15H	Bright Orange	
 	W11H	Scarlet Red	
 	W19H	Dark Blue	
 	W22H	Fluorescent Violet	

Water-Based Dispersants	Product Features
Water-Based Dispersant DS-W72	Pure water-based dispersant / Special for black pigments / Excellent viscosity reduction / Suitable for high-concentration black paste (Special for black)
Water-Based Dispersant DS-W75	Pure water-based dispersant / For white and inorganic pigments / Excellent viscosity reduction (Titanium Dioxide and inorganic pigments)
Water-Based Dispersant DS-W79	Water-based dispersant / Suitable for wetting and dispersing organic pigments / High gloss / Good compatibility (High chroma organic pigments)

Polyether Polyol Pigment Paste & Polyurethane Paste (PUE Series)

Colorants specially designed for polyurethane systems. With high compatibility and stable dispersibility with polyurethane materials, they are used in various polyurethane application scenarios:

Polyurethane Adhesives:

Do not interfere with adhesive viscosity, curing speed, or bonding strength (e.g., identification coloring for sealants and structural adhesives).

Special Chemical-Resistant Floors:

Stable coloring without affecting floor wear resistance and weather resistance, maintaining long-lasting color.

Polyurethane Foaming/Memory Foam:

Uniform coloring during foaming, does not hinder cell structure formation. Suitable for foamed products in home furnishing, medical, and other fields.

Turf Yarn Elastomer Black Base:

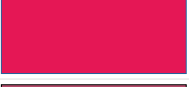
Provides uniform black coloring for turf yarn base elastomers. UV resistant and outdoor aging resistant, firmly combined with elastomer substrates, not easy to fade.

Polyurethane Pultrusion:

Compatible with pultrusion process, stable dispersion in continuous production, does not affect material molding fluidity.

PUE Polyether Fluorescent Color Paste Series

Reference Color	Model	Color
	PUE-1200	Extra Black
	PUE-902D	Extra White, 75% Pigment Content
	/	Medium Gray
	PUE-32	Organic Yellow
	PUE-36	Bright Red
	PUE-37	Vivid Red
	PUE-38	China Red
	PUE-39	177 High-Temperature Resistant Rose Red
	PUE-52	Peach Red
	PUE-21	138# High-Performance Bright Yellow
	PUE-26	Organic Yellow
	PUE-25	Lemon Yellow
	PUE-28	Golden Yellow
	PUE-29	139# High-Performance Golden Yellow
	PUE-65	Blue
	PUE-67	Green
	PUE-53	Purple

Reference Color	Model	Color
	PUE-809C	Fluorescent Lemon Yellow
	PUE-8001	Fluorescent Medium Yellow
	PUE-8002	Fluorescent Golden Yellow
	PUE-811C	Fluorescent Orange Red
	PUE-804C	Fluorescent Orange Yellow
	PUE-804R	Fluorescent Orange
	PUE-805C	Fluorescent Red
	PUE-812C	Fluorescent Bright Red
	PUE-8004	Fluorescent Bright Magenta
	PUE-806C	Fluorescent Pink
	PUE-807C	Reddish-Purple Magenta
	PUE-8008	Fluorescent Reddish-Purple
	PUE-8003	Fluorescent Purple
	PUE-814C	Fluorescent Purple
	PUE-8006	Fluorescent Brilliant Blue
	PUE-801C	Fluorescent Blue
	PUE-8005	Fluorescent Apple Green
	PUE-802C	Fluorescent Green
	PUE-8007	Fluorescent Brilliant Green

Solvent-Free Modified Polyester Paste (UP Series)

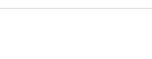
UP modified polyester series color pastes have good compatibility with various polyester resins, linear polyesters, and MMA monomers. Widely used in composite materials, adhesives, functional glues, etc. Can be used for coloring high-performance unsaturated resin moldings; marine gel coats and anti-corrosion coatings, compatible with isophthalic neopentyl glycol and vinyl ester gel coats, enhancing protection and aesthetics of ships, etc.; plays an identification role in adhesives, suitable for coloring MMA-based adhesives such as instant adhesives; also widely used in bathroom products, automotive parts, and other fields relying on high-speed injection and compression molding of SMC/BMC/DMC, especially suitable for tinting modified MMA-based instant adhesives such as 502 glue.

To meet specific performance requirements in different application industries:

- Adhesive Industry (Instant adhesives, etc.)
- Bathroom and Automotive Parts Industry (Unsaturated resin products)
- Marine and Anti-Corrosion Industry (Isophthalic gel coats, vinyl ester gel coats)
- Composite Materials Industry (High-performance unsaturated resin molding). Excellent dispersion stability and wide mechanical performance compatibility, suitable for fiber-reinforced composite processes.





Color	Model	Specification
	UP866 Extra Black	Pigment Content 30%
	UP867 Blue-Shade Extra Black	Pigment Content 35%
	Imported Grade A White (Imported Titanium Dioxide)	Pigment Content 45%
	UP800 Extra White (Imported Titanium Dioxide)	Pigment Content 75%
	International Iron Yellow (LANXESS Germany Iron Oxide)	Pigment Content 40%
	International Bright Iron Red (LANXESS Germany Iron Oxide)	Pigment Content 40%
	UP802 Brilliant Yellow (Eco-Friendly Organic Yellow)	Lightfastness 3 Years
	UP804 Coated Bismuth Vanadate Yellow (Temperature Resistant 350°C)	Lightfastness 5 Years
	UP828 BASF Scarlet Red 185	Lightfastness 3 Years
	UP838 Halogen-Free Scarlet Red 177	Food Grade
	UP805 Golden Yellow (BASF Imported)	Lightfastness 5 Years
	UP832 Holliday France Ultramarine	Imported Pigment
	UP830 Rose Red (Korean Imported Pigment)	Lightfastness 3 Years
	UP827 Magenta (German Imported Pigment)	Lightfastness 5 Years
	UP829 Peach Red (DIC Japan Pigment)	Lightfastness 3 Years
	UP826 Brilliant Red (High-Performance Chinese Red)	Lightfastness 3 Years
	UP833 Colorful Green (FDA-Grade Organic Green)	Lightfastness 5 Years
	UP831 Colorful Blue (FDA-Grade Organic Blue)	Lightfastness 5 Years
	UP803 Medium Yellow (Clariant H3G)	Lightfastness 3 Years
	UP825 Orange Red (Imported Bright Orange)	Lightfastness 2 Years
	UP835 Orange Red (Outdoor Temperature Resistant 280°C)	Lightfastness 5 Years
	UP855 Permanent Violet (DIC Japan Pigment)	Lightfastness 3 Years
	UP856 Halogen-Free Violet (Swiss Imported Violet No.19)	Lightfastness 3 Years

Composite Inorganic Pigment High-Temperature Resistant Paste (Heat Resistance 800°C) (DP Series)

This product is widely used in the following fields:

- **PEEK Materials:**

PEEK has excellent high-temperature resistance and is often used in high-temperature environments during processing and use. This resin-free high-temperature color paste can be compatible with PEEK, maintaining stable coloring at high temperatures without affecting the mechanical and chemical stability of PEEK.

- **Inorganic Silicone Products:**

Inorganic silicone materials have high temperature resistance and are often used in high-temperature sealing, insulation, and other scenarios. The color paste can be uniformly dispersed in them and maintain bright colors after high-temperature tests.

- **Fluororubber:**

Fluororubber has strong temperature resistance and is widely used in aerospace, automotive, and other fields. The color paste can meet the high-temperature requirements during its processing and use, with long-lasting coloring effect.

- **Fluoroether Silicone Products:**

These materials combine the advantages of fluororubber and silicone rubber, with excellent high-temperature resistance. This color paste can be well compatible with them, ensuring no color change in high-temperature environments.

- **Refractory Materials:**

Such as refractory bricks and refractory coatings. Under extreme conditions such as high-temperature flame combustion, the color paste can maintain its original color without fading or discoloration, meeting the appearance and identification requirements of refractory materials.

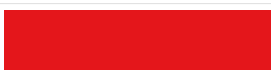
● High-Temperature Adhesives:

High-temperature adhesives need to withstand high temperatures during curing and use. The color paste can be integrated into them, maintaining stable coloring in high-temperature environments without affecting the bonding performance of the adhesive.

► DP Resin-Free High-Temperature Resistant Color Paste (Heat Resistant 800-1000°C)

Innovative resin-free formula breaks through the technical limitations of traditional color pastes relying on resins. Designed with polymer dispersants as carriers, it can withstand temperatures of 800-1000°C . The carrier is completely carbonized above 450°C , and the pigment can still maintain its original color and saturation even after exposure to extreme temperatures of 1000 °C . Perfectly meets the strict requirements for coloring stability in various high-temperature processing scenarios.



Color	Model
	DP-Cobalt Black 27 (Inorganic Cobalt-Chromium Black)
	Copper-Chromium Black 5800
	Manganese-Iron Black 1000
	DP-Titanium-Chromium Yellow (Titanium-Chromium-Antimony Composite Oxide)
	DP-Persimmon Red (Cerium Sulfide Red)
	DP-Cadmium Red 160 (Inorganic Cadmium Selenide Sulfide)
	DP-Cobalt Violet (Inorganic Cobalt Violet)
	DP-Cobalt Blue 2805 (Inorganic Cobalt Aluminate Blue)
	DP-Cobalt Blue (Inorganic Composite Blue)
	DP-GN Chromium Oxide Green (Inorganic Green)
	DP-Cobalt Green (Inorganic Cobalt-Chromium Black)

Unsaturated Polyester Paste (UPR Series)

A colorant prepared by dispersing high-concentration pigments (organic pigments, inorganic pigments, etc.) in an unsaturated polyester resin carrier, featuring both coloring functionality and substrate adaptability.

- **Fiberglass Reinforced Plastic (FRP) Products:**

FRP pipes, storage tanks, yacht hulls, etc.;

- **Unsaturated Polyester Molding Compounds:**

Compression-molded products such as buttons, decorative parts, electrical enclosures, etc.;

- **Artificial Stone/Solid Surface Materials:**

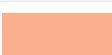
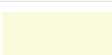
Coloring for artificial marble and quartz stone;

- **Coatings & Adhesives:**

Suitable for coloring unsaturated polyester coatings (e.g., wood coatings, anti-corrosion coatings).



Color	Model	
	UPR	Phthalocyanine Blue (B02)
	UPR	Peacock Blue (PB11)
	UPR	Dark Blue (B01)
	UPR	Orange Red (R05)
	UPR	Orange (YR04)
	UPR	Medium Chrome Yellow (Y07)
	UPR	Lemon Yellow (Y05)
	UPR	Plain White
	UPR	Grade A White (Imported White)
	UPR	Plain Black
	UPR	UP Extra Black

Color	Model	
	UPR	Light Gray (B03)
	UPR	7467C Ice Blue
	UPR	Rose Red RP03
	UPR	4010 Red
	UPR	Light Pink 707C
	UPR	Lake Green (BG02)
	UPR	Art Green (G02)
	UPR	Phthalocyanine Green (G01)
	UPR	477C Brown
	UPR	4711 Light Coffee
	UPR	2705 Indigo Violet
	UPR	5015 Blue
	UPR	Tiffany Blue 640
	UPR	Dark Violet
	UPR	420 Iron Yellow (Earth Yellow)
	UPR	Iron Red (R01)
	UPR	Carmine Pink 169C
	UPR	Cream Yellow (Y03)
	UPR	Jy63305 Crystal Golden Yellow
	UPR	Scarlet Red (R03)
	UPR	Bright Red (R02)
	UPR	Y02 Lemon Yellow
	UPR	Pale Lake Green
	UPR	Rose Red (RP03)
	UPR	Dark Brown
	UPR	Pastel Orange 2003



Nano Pigment Masterbatch (PETG Carrier Masterbatch)

This nano-pigment technology PETG masterbatch is suitable for coloring various PETG products, mainly covering the following fields:

- **Packaging:**

Food packaging containers, cosmetic bottles, pharmaceutical packaging, etc.;

- **Daily Necessities:**

Toys, tableware, stationery, 3D printing, etc.;

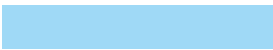
- **Building Materials:**

Decorative panels, pipes, etc.;

- **Electronics & Electrical Appliances:**

Electronic component housings, electrical accessories, etc.



Color	Model	
	TG-1160 Sky Blue	All-Organic Pigment, Dye-Free, Solvent-Resistant
	TG1154 Purple	All-Organic Pigment, Dye-Free, Solvent-Resistant
	TG1153 Peach Red	All-Organic Pigment, Dye-Free, Solvent-Resistant
	TG-1158 Cyan Golden Yellow	All-Organic Pigment, Dye-Free, Solvent-Resistant
	TG1156 Orange	All-Organic Pigment, Dye-Free, Solvent-Resistant



Photochromic Pigment Paste (EP93 Series)

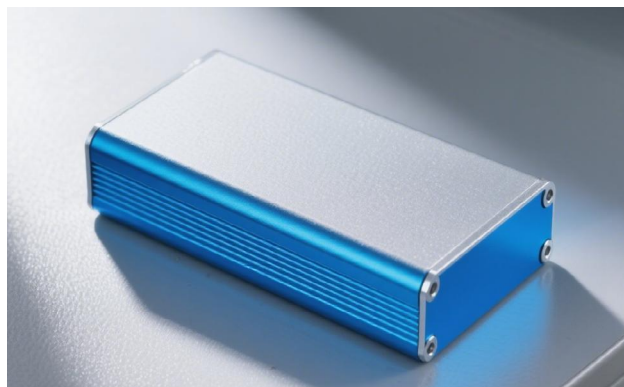
- Anti-Counterfeiting Advantage & Easy Identification:**

Utilizing its unique reaction of "color development under light and fading in darkness", anti-counterfeiting can be easily achieved. Authenticity can be quickly verified through light-induced color changes, suitable for various scenarios requiring anti-counterfeiting marks.

- Anti-Counterfeiting Advantage & Easy Identification:**

Utilizing its unique reaction of "color development under light and fading in darkness", anti-counterfeiting can be easily achieved. Authenticity can be quickly verified through light-induced color changes, suitable for various scenarios requiring anti-counterfeiting marks.

Free of heavy metals and formaldehyde, passed strict environmental tests, non-toxic and harmless, friendly to humans and the environment. It can be safely applied to products in direct contact or daily use, such as cosmetics and crafts.

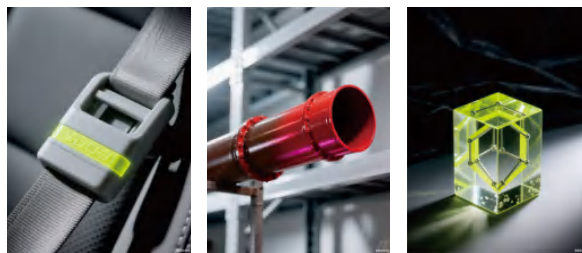


- **Adhesives:**

Suitable for epoxy AB glue, crystal AB glue, hand-painted glue, dripping glue, UV-curable glue, UV nail polish glue, etc. Adding 3-5% photochromic pigment paste to these adhesives not only achieves the bonding function but also provides color-changing anti-counterfeiting or decorative effects under light. For example, when applied in UV nail polish glue, it allows nails to show different colors under varying light conditions, increasing the fun and uniqueness of nail art.

- **Coatings:**

Suitable for craft coatings. Adding it to coatings enables crafts to display specific saturated colors under sunlight and revert to colorless indoors, adding unique visual effects and anti-counterfeiting functions without affecting the coating's protective performance.



Dispersants & Functional Additives



DS-F20 Oil-Based Universal Dispersant

Especially suitable for dispersing pigment carbon black, with excellent wetting and dispersing properties for carbon black, outstanding viscosity reduction, and improved color strength and gloss. Ideal for high-concentration black paste production, and offers excellent dispersibility and stability for organic/inorganic pigments in coating and color paste systems. Addition Amount: 10% for pigments, 10-20% for carbon black

Addition Amount:

2-5% for titanium dioxide, 5-10% for inorganic pigments, 20-40% for organic pigments.

100% Active Copolymer Mixture with Acidic Groups



DS-F21 Oil-Based Universal Dispersant

Ideal for difficult-to-disperse medium-high pigment carbon blacks (e.g., 5000/FW200/1300), with excellent wetting and dispersing properties, outstanding viscosity reduction, and improved color strength and gloss. Suitable for high-concentration black paste production, and provides excellent dispersibility and stability for organic/inorganic pigments in coating and color paste systems. Shortens grinding time and increases production efficiency. Applicable to unsaturated resin systems.

Addition Amount:

10% for pigments, 10-20% for carbon black.

100% Active Polymer Superdispersant



DS-F10 Oil-Based Universal Dispersant

Especially suitable for dispersing and stabilizing inorganic pigments such as titanium dioxide, iron oxide red, and matting agents. Dispersing titanium dioxide enhances whiteness and hiding power, improves gloss, boosts storage stability to prevent hard precipitation, shortens grinding time, and increases production efficiency.

Addition Amount:

2-5% for titanium dioxide, 5-10% for inorganic pigments, 20-40% for organic pigments.

100% Active Copolymer Mixture with Acidic Groups



DS-F50 Oil-Based Universal Dispersant

Especially suitable for dispersing and stabilizing inorganic pigments such as titanium dioxide, iron oxide red, and matting agents. Dispersing titanium dioxide enhances whiteness and hiding power, improves gloss, boosts storage stability to prevent hard precipitation, shortens grinding time, and increases production efficiency.

Addition Amount:

2-5% for titanium dioxide, 5-10% for inorganic pigments, 20-40% for organic pigments.

100% Active Copolymer Mixture with Acidic Groups



DS-F63 Oil-Based Universal Dispersant

Excellent wetting effect on medium-low pigment carbon blacks (e.g., MA-100, U carbon), presenting an excellent blue shade with no floating during color matching. Effective for dispersing organic pigments such as Scarlet Red PR170/254, Golden Yellow PY83, Phthalocyanine Blue, and Phthalocyanine Green, with strong versatility.

Addition Amount: 10% for pigments, 10-20% for carbon black.

50% Modified Polyurethane Polymer



DS-F24 Oil-Based Universal Dispersant

Ideal for difficult-to-disperse medium-high pigment carbon blacks (e.g., 5000/FW200/1300), with excellent wetting and dispersing properties, outstanding viscosity reduction, and improved color strength and gloss. Suitable for high-concentration black paste production, and provides excellent dispersibility and stability for organic/inorganic pigments in coating and color paste systems.

Addition Amount:

10% for pigments, 10-20% for carbon black.

100% Active Copolymer Mixture with Acidic Groups



DS-F52 Oil-Based Universal Dispersant

Especially suitable for organic red pigments, with excellent wetting and dispersing properties for FBB Red 170/177, Violet No.19, Red 122, Red 254, etc. Offers outstanding viscosity reduction and improves color strength and gloss. Applicable to alcohol-water mixed aqueous systems (alcohol:water > 1:2).

Addition Amount: 10% for pigments, 10-20% for carbon black.

100% Active Polymer Superdispersant



DS-5396 Silicone-Based Leveling & Hand Feel Agent

Enhances the super smooth feel of coatings, paints, and inks—surpassing commonly used 333 leveling agents. Reduces friction coefficient, improves scratch resistance and wear resistance of films. Offers excellent smoothness and scratch resistance, and optimizes matting powder arrangement. Enables screen printing and recoating on rubber paint surfaces.

Addition Amount: 0.5–2% of the total formula.

100% Active Solid Content



EP-3106 High-Efficiency Universal Defoamer

Effectively suppresses and breaks mechanical bubbles and reactive microbubbles generated during the construction of unsaturated resin crafts and high-viscosity epoxy systems. Wide application range, suitable for conventional resins and adhesives.

Addition Amount: 0.5–1%

50% Active Solid Content

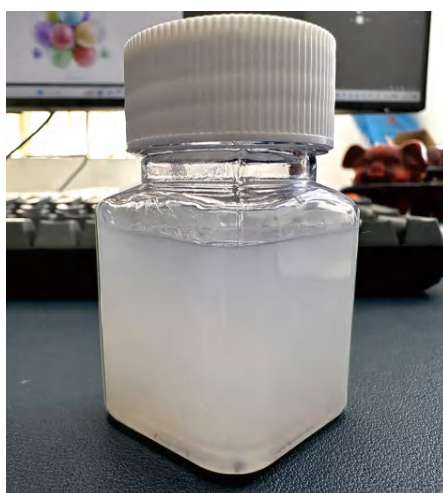


EP-3109 High-Efficiency Defoamer

Specifically designed for epoxy resin-based composites. Applicable to processes such as semiconductor component casting, injection molding, and high-temperature potting. Features strong defoaming ability, high bubble-breaking efficiency, long-term foam suppression, and stability. Inhibits chemical bubble generation under high-temperature epoxy conditions.

Addition Amount: 0.5-1%

50% Active Solid Content



DS-6800 Silicone Defoamer (Solvent-Free)

Extremely strong bubble-breaking and defoaming capabilities with high efficiency—effective even at very low addition amounts. Especially suitable for eliminating microbubbles in high-viscosity coating and ink systems. Solvent-free, applicable to solvent-free systems such as UV-curable systems.

Addition Amount: 0.05-1% of the total formula

100% Active Solid Content

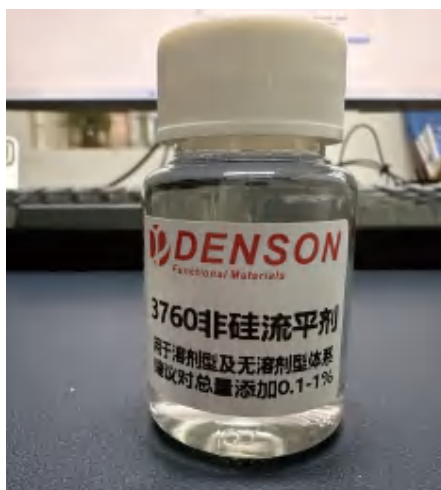


DS-3750 Non-Silicone Leveling Agent

Main structure: Fluorine-modified acrylic homopolymer. Wide compatibility, strong substrate wetting ability, and moderate defoaming property. No impact on recoating, safe for high-gloss systems, and does not affect gloss. Excellent heat resistance (max. 350°C).

Addition Amount: 0.1-1%, recommended 0.3-0.5%

55% Solid Content



DS-3760 Non-Silicone Leveling Agent

Main structure: Fluorine-modified acrylic homopolymer. Wide compatibility, strong substrate wetting ability, and moderate defoaming property. No impact on recoating, and significantly improves surface fullness of recoated high-temperature epoxy paints (e.g., Dacromet paint). Safe for high-gloss systems, does not affect gloss. Excellent heat resistance (max. 350°C).

Addition Amount: 0.1-1%, recommended 0.3-0.5%

55% Solid Content



DS-2065 Plastic Substrate - Adhesion Promoter

Silicone-modified block polyester copolymer. Enhances adhesion of coatings and inks to substrates such as ABS, PBT keyboard materials, ceramics, and tempered glass. Also improves bonding strength of phenolic glue and epoxy glue.

Addition Amount: 0.1-1%, recommended 0.3-0.5%

98% Active Solid Content Polymer Dispersant



DS-2063 Metal Substrate - Adhesion Promoter

Polymeric phosphate ester. Improves adhesion of solvent-based and water-based coatings to metal substrates (suitable for baking paints). Activates above 130°C, especially effective for aluminum. Compatible with a wide range of coating systems. Applicable to screen printing inks and enhances adhesion/printing effect on PET/PC/PA substrates.

Addition Amount: 1-2% of the total formula

68% Partially Phosphorylated Polyester Solution



DS-1559s High-Efficiency Anti-Settling & Anti-Floating/ Flooding Additive

Silicone-containing additive with anti-floating, anti-separation, and high-efficiency anti-floating/flooding functions. Suitable for various resin and pigment systems (solvent-based, solvent-free, UV-curable). Versatile, wide application range, and high maximum temperature resistance.

Addition Amount: 0.5-1% of the total formula

50% Polymeric Polyacid Polymer

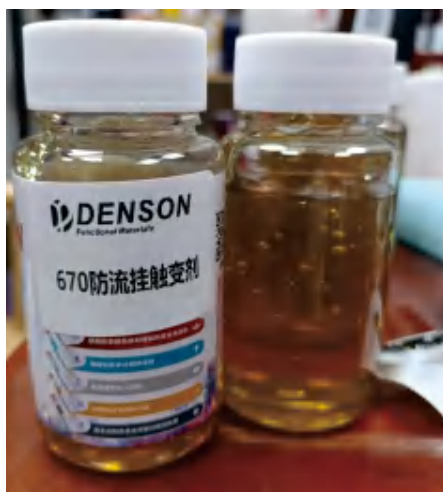


DS-1558 Non-Silicone Anti-Settling & Anti-Floating/Flooding Additive

Features anti-floating, anti-separation, and high-efficiency anti-floating/flooding functions. Suitable for various resin and pigment systems (solvent-based, solvent-free, UV-curable). Versatile, wide application range, and high maximum temperature resistance.

Addition Amount: 0.5-1% of the total formula

100% Polymeric Polyacid Polymer



DS-670 Anti-Sagging Thixotropic Agent

When used with fumed silica or bentonite, significantly improves anti-sagging performance of coatings and adhesives. Especially suitable for two-component epoxy systems (solvent-based and solvent-free). Replaceable for BYK607.

Addition Amount: 1-2% of the total formula

100% Special Fatty Amine Modified Polyamide



DS-0910 Water-Soluble Dispersant

Suitable for alcohol-ester soluble, alcohol-ether soluble, and alcohol-water soluble coating/ink systems. Excellent color development for high-performance organic pigments (azo/anthraquinone/DPP pigments, high-pigment carbon black), enhancing vividness, solvent resistance, and no precipitation. Dilutable with alcohol during paint mixing.

Addition Amount: 10% for pigments, 10-20% for carbon black

[100% Active Polymer Superdispersant](#)

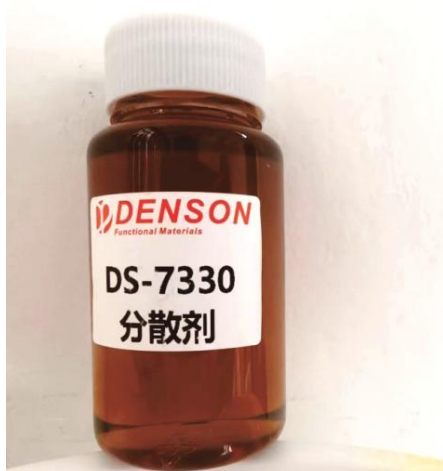


DS-0913 Water-Soluble Dispersant - High Alcohol-Ether Resistance

Ideal for alcohol-water mixed water-based industrial paints and UV-curable materials. Excellent dispersion at any alcohol-water ratio. Especially suitable for organic pigments, with excellent wetting/dispersing properties, outstanding viscosity reduction, and improved color strength/gloss. Suitable for high-concentration and resin-free color pastes.

Addition Amount: 10% for pigments, 10-20% for carbon black

[100% Active Polymer Dispersant](#)



DS-7330 Water-Based Universal Superdispersant

Applicable to water-based, oil-based, and water-soluble systems. Especially suitable for organic pigments, with excellent wetting/dispersing properties, outstanding viscosity reduction, and improved color strength/gloss. Suitable for high-concentration and resin-free color pastes. Also optimizes matting powder dispersion.

Addition Amount: 10% for pigments, 10-20% for carbon black

[100% Active Polymer Superdispersant](#)



DS-W72 Water-Based Superdispersant

Good water solubility and compatibility with various water-based resins. Excellent wetting/dispersing properties for pigments, outstanding viscosity reduction, and improved color strength/gloss. Suitable for high-concentration color pastes with resin systems. Excellent dispersion at any alcohol-water ratio.

Addition Amount: 10% for pigments, 10-20% for carbon black

100% Active Polymer Superdispersant



DS-W79 Water-Based Dispersant

Improves pigment color development and tinting strength, enhances gloss, reduces grinding viscosity, increases storage stability of water-based systems, and optimizes matting powder arrangement.

- 20-30% for inorganic pigments
- 20-50% for organic pigments
- 10-15% for matting powder
- 5-10% for titanium dioxide
- 25-50% for carbon black

40% Active Polymer Superdispersant



DS - W76 Water - Based Dispersant

Water-based universal dispersant. Increases pigment tinting strength, enhances gloss, reduces grinding viscosity, improves storage stability of water-based systems, and has high compatibility with various water-based systems. Optimizes matting powder arrangement.

- 20-30% for inorganic pigments
- 20-50% for organic pigments
- 10-15% for matting powder
- 5-10% for titanium dioxide
- 25-50% for carbon black

40% Active Polymer Superdispersant



DS-F62 Water-Based Anti-Settling Agent (Suitable for High Pigment Loading Systems)

No impact on system viscosity, wide pH adaptability, and stable performance under long-term high/low temperatures. Applicable to hand sanitizers, industrial detergents, external Chinese medicine powder (non-oral), industrial daily chemicals, water-based coatings, and inks. Non-irritating to humans.

Addition Amount:

0.2-0.5% of the total formula (recommended after paint preparation)

100% Active Solid Content Polymer





DS-F6240 Water-Based High-Efficiency Anti-Settling Additive (Powder)

Organic/inorganic composite polymer anti-settling additive. Provides good rheology and stable thickening in water, combining high thickening efficiency/fluidity of organic additives and stability/suspension of inorganic thickeners. Offers excellent storage stability.

Addition Amount: 0.5-1% of the total formula

100% Active Content Polymer

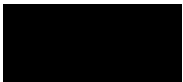
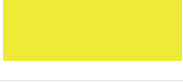


Solvent-Based Metal Complex Dyes

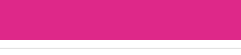


It is applicable to wood coloring, hot stamping materials, leather dyeing, shoe polish dyeing, plastic spraying, printing inks, stationery inks, metal spraying, paints, glasses, packaging paper, aluminum foil paper, as well as the coloring of plastic films such as PVC, PET and OPP used in vacuum plating.

► Metal Complex Oil-Based Color Concentrate (Liquid)

Reference Color	Color	Model	Reference Color	Color	Model
	Pure Black 55	DS-B128		Scarlet Red 122	DS-R606
	Blue Black 34	DS-B104		Bright Red/Yellow Shade	DS-R608
	Red Black 27	DS-B120		Golden Yellow 21	DS-Y202
	Royal Blue 5	DS-L803		Orange Yellow 54	DS-O310
	Sky Blue 70	DS-B806		Orange Red 62	DS-O309
	Colorful Green	DS-G520		Peach Red	DS-P710
	Permanent Violet	DS-D002		Red Brown	DS-B905
	Magenta 8	DS-D004		Black Brown	DS-B902
	Lemon Yellow	DS-Y279			

► High-Temperature Resistant Dye (Powder)

Reference Color	Color	Model	Lightfastness	Heat Resistance
	Yellow	Y-202s	6	180°
	Orange	Q-303s	5.5	180°
	Scarlet Red	R-405s	5.5	180°
	Peach Red	R-620s	5	180°
	Peach Red	R-640s	5.5	180°
	Blue	BL-707s	7	180°

DENSON PIGMENT

DY-184G Bismuth Yellow

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.184	8	300	5	5	20
Undiluted Color					Diluted Color

DY-1151 Permanent Yellow H4G

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.151	7-8	240	5	5	40
Undiluted Color					Diluted Color

DY-1800 Pigment Yellow HG

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.180	8	260	5	5	40
Undiluted Color					Diluted Color

DY Heat-Resistant Yellow HGR

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.191	6	260	5	5	40
Undiluted Color					Diluted Color

DY-Permanent Yellow HR02

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.83	7	220	5	5	50
Undiluted Color					Diluted Color

DY-1390 Permanent Yellow H3R

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.139	8	260	5	5	40
Undiluted Color					Diluted Color

DO-2640 Permanent Orange GP

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. O.64	7-8	240	5	5	45
Undiluted Color					Diluted Color

DO-2730 Permanent Orange

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. O.73	8	260	5	5	45
Undiluted Color					Diluted Color

DR-F3RK Permanent Bright Red

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
PR.170	7	220	5	5	45
Undiluted Color					Diluted Color

DR-F5RK Permanent Scarlet Red

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.170	6	220	5	5	45
Undiluted Color					Diluted Color

DR-3176 Magenta HF3C

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.176	8	260	5	5	45
Undiluted Color					Diluted Color

DR-3177 Magenta A3B

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.177	8	260	5	5	45
Undiluted Color					Diluted Color

DR-3254 Pigment Red DPP

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.254	8	260	5	5	40
Undiluted Color					Diluted Color

DR-122 Quinacridone Peach Red

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.122	7-8	260	5	5	50
Undiluted Color					Diluted Color

DR-F7RK Permanent Red

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.170	6-7	220	5	5	45
Undiluted Color					Diluted Color

DB-Phthalocyanine Blue BR

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.15:0	7	280	5	5	45
Undiluted Color					Diluted Color

DB-Phthalocyanine Blue BGS

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.15:3	8	280	5	5	45
Undiluted Color					Diluted Color

DB-Phthalocyanine Blue 7400H

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.15:4	8	280	5	5	45
Undiluted Color					Diluted Color

DB-8156 Phthalocyanine Blue EP

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.15:6	8	280	5	5	50
Undiluted Color					Diluted Color

DB-60 Violet A3R

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.60	8	280	5	5	55
Undiluted Color					Diluted Color

DB-08 Ultramarine

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. B.29	6	300	5	5	20
Undiluted Color					Diluted Color

DG-718 Phthalocyanine Green G

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. G.7	8	280	5	5	45
Undiluted Color					Diluted Color

DV-Permanent Violet RL

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. V.23	8	250	5	5	55
Undiluted Color					Diluted Color

DY-313 Iron Oxide Yellow

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. Y.42	8	200	5	5	20
Undiluted Color					Diluted Color

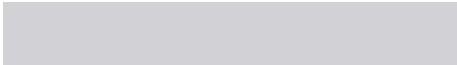
DR-130 Iron Oxide Red

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P. R.101	8	300	5	5	20
Undiluted Color					Diluted Color

420 Coated Heat-Resistant Iron Yellow

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P.Y.42	8	240	5	5	40
Undiluted Color					Diluted Color

DY-1000 Manganese-Iron Black

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P.B.26	8	800	5	5	40
Undiluted Color					Diluted Color

Zinc Ferrite DY-301

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P.Y.119	8	310	5	5	40
Undiluted Color					Diluted Color

DY184H Coated Bismuth Vanadate

Color Index	Lightfastness	Heat Resistance	Migration Resistance	Acid Resistance	Oil Absorption
P.Y.184	8	300	5	5	45
Undiluted Color					Diluted Color



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