



Synth-Edge Advanced Materials Co., Ltd.
Pigment Catalog



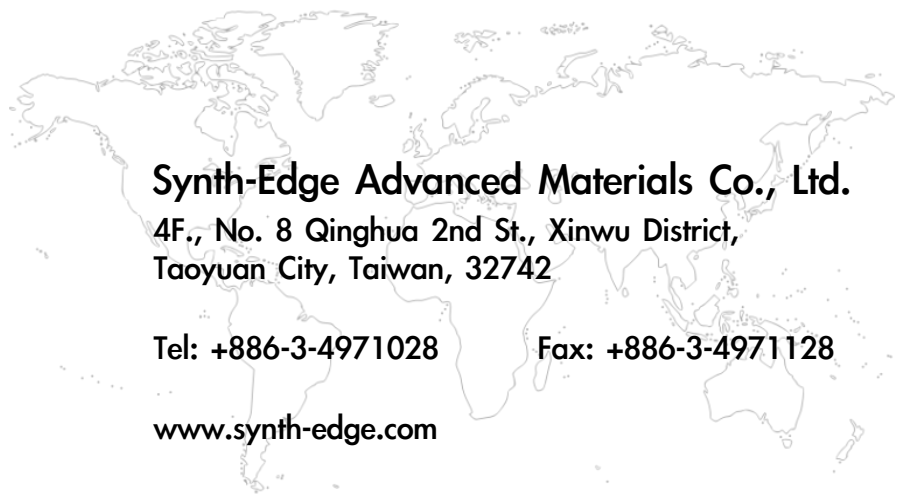
Synth-Edge Advanced Materials Co., Ltd.

4F., No. 8 Qinghua 2nd St., Xinwu District,
Taoyuan City, Taiwan, 32742

Tel: +886-3-4971028

Fax: +886-3-4971128

www.synth-edge.com



Company Profile

Synth-Edge Advanced Materials is a trusted global supplier of high-performance chemical raw materials designed to create real value for our customers.

With an experienced team spanning manufacturing, product management, technical service, international sales, and logistics, Synth-Edge provides competitive, reliable, and innovative solutions tailored to the needs of modern coatings, inks, plastics, and specialty applications.

Our global distribution network covers Asia, Europe, the Americas, and the Middle East—ensuring consistent availability, responsive service, and dependable delivery wherever our customers operate.

Pigments from Synth-Edge

Synth-Edge supplies pigments from standard azo types to high-performance grades such as Benzimidazolone, DPP, and Dioxazine.

They are widely used in inks, coatings, and plastics.

Symbol Guide

- = Recommended
- = Limited Suitability
- = Not Recommended

Light Fastness

Light-fastness ratings are evaluated using QUV accelerated weathering tests, especially for outdoor coatings, printing inks, and plastics.

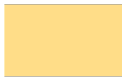
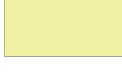
- 1 = Poor Light Fastness
- 8 = Excellent Light Fastness

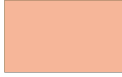
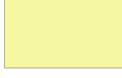
Migration / Bleed Fastness

Indicates resistance to bleeding when used in inks, coatings, or plastics.

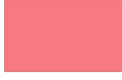
- 1 = Bleeding
- 5 = No Bleeding

[illegible]

Pigment Color	Product Name	Light Fastness	Coatings							Inks					Heat Stability (°C)	Migration	Plastics						Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	PVC			PE/PP	ABS	PS	PA	Rubber		
 	Yellow 143T (C.I.PY14)	4-5	—	—	—	—	—	—	●	●	○	●	—	—	—	—	—	—	—	—	—	Very transparent and low viscosity for PU ink	
 	Yellow 144 (C.I.PY14)	4-5	—	—	—	—	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—	Very opaque type with low viscosity	
 	Yellow 14W (C.I.PY14)	4-5	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	Semi opaque type	
 	Yellow 14TK (C.I.PY14)	4-5	—	—	—	—	—	—	—	—	—	—	—	≤200°C	4-5	●	○	—	—	—	—	Very opaque type with good gloss	
 	Yellow Y17 (C.I.PY17)	6-7	—	—	—	—	—	—	○	—	—	●	—	≤200°C	3-4	●	○	—	—	—	—	Green shade, good gloss	
 	Yellow 650 (C.I.PY65)	7	○	●	●	○	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	Green shade, good gloss	
 	Yellow 740 (C.I.PY74)	6-7	—	●	●	—	●	—	●	—	—	—	●	—	—	—	—	—	—	—	—	Green shade, opaque and gloss	
 	Yellow 740T (C.I.PY74)	6-7	—	●	●	—	●	—	●	—	—	—	●	—	—	—	—	—	—	—	—	Green shade, transparent	
 	Yellow 810 Yellow 810C (C.I.PY81)	6-7	—	●	●	—	●	—	●	●	○	○	●	240°C	5	○	●	—	—	—	●	Lemon shade, good light fastness	
 	Yellow HR83 (C.I.PY83)	6-7	—	●	—	—	—	○	●	●	○	●	—	≤200°C	—	—	—	—	—	—	—	Transparent and good gloss	

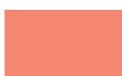
Pigment Color		Product Name	Light Fastness	Coatings							Inks				Plastics							Properties	
				Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA		Rubber
		Yellow HR831 (C.I.PY83)	6-7	—	●	—	—	—	○	●	●	○	●	—	≤200°C	—	—	—	—	—	—	—	High gloss and low viscosity
		Yellow HR83M (C.I.PY83)	6-7	○	●	—	●	—	●	—	—	—	—	—	≤200°C	5	●	○	—	—	—	—	Semi-transparent, good fastness
		Yellow HR830 (C.I.PY83)	7-8	●	●	●	●	●	●	—	●	—	—	●	≤200°C	—	—	—	—	—	—	—	Very opaque type with good fastness
		Yellow 1100 (C.I.PY110)	7-8	●	●	—	●	—	●	●	●	●	●	●	300°C	5	●	●	●	●	○	○	Very red shade and good transparency
		Yellow 1380 (C.I.PY138)	7-8	●	●	—	●	—	●	●	—	—	●	●	280°C	5	●	●	●	●	●	●	Lemon shade with excellent features
		Yellow 1390 Yellow 1390P (C.I.PY139)	7-8	●	●	○	●	○	●	●	—	—	●	—	240°C	4-5	●	●	—	—	—	○	Red shade with excellent features
		Yellow 1500 Yellow 1500GTX (C.I.PY150)	7	—	—	—	—	—	—	●	—	—	●	—	260°C	—	—	—	—	—	—	—	Special green shade, yellow with high color strength
		Yellow 1510 (C.I.PY151)	7-8	●	●	—	—	—	●	○	—	—	○	●	260°C	5	●	●	—	—	—	○	Green shade with good gloss
		Yellow 1540 (C.I.PY154)	7-8	●	●	●	●	●	●	●	—	—	○	○	—	—	—	—	—	—	—	—	Green shade with good gloss
		Yellow 1680 (C.I.PY168)	6-7	—	—	—	—	—	—	—	—	—	—	—	230°C	—	●	●	—	—	—	—	Green shade with good heat stability

[illegible]

Pigment Color	Product Name	Light Fastness	Coatings								Inks				Plastics								Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA	Rubber		
 	Red 5220 (C.I.PR52:2)	6	●	●	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	Blue shade		
 	Red 5311L (C.I.PR53:1)	3-4	—	—	—	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	Yellow shade, transparent		
 	Red 531LG (C.I.PR53:1)	3-4	—	—	—	—	—	—	●	●	—	●	—	—	—	—	—	—	—	—	Low Barium content		
 	Red 5312 (C.I.PR53:1)	3-4	—	—	—	—	—	—	—	—	—	—	—	200°C	4-5	●	●	—	—	—	○	Yellow shade, economic type	
 	Red 5711GL (C.I.PR57:1)	4-5	—	—	—	—	—	—	●	●	—	●	—	—	—	—	—	—	—	—	—	Very blue shade, good gloss	
 	Red 5712 (C.I.PR57:1)	6	—	—	—	—	—	—	—	—	—	—	—	250°C	5	●	●	—	○	—	●	Very blue shade	
 	Red 5716 (C.I.PR57:1)	4-5	—	—	—	—	—	—	—	●	○	○	—	—	—	—	—	—	—	—	—	Medium shade, for PA/CI-PP ink	
 	Red 571WB/WY (C.I.PR57:1)	4-5	—	—	—	—	—	—	●	—	—	—	●	—	—	—	—	—	—	—	—	For water based ink	
 	Red 1120 (C.I.PR112)	7	—	●	●	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	Medium shade for water based ink	
 	Red 122B/PT (C.I.PR122)	7-8	●	●	—	●	—	●	●	○	○	●	—	300°C	5	●	●	●	●	○	●	Blue shade, transparent and competitive price	

Pigment Color	Product Name	Light Fastness	Coatings							Inks							Plastics					Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA	Rubber	
 	Pink 1220 (C.I.PR122)	7-8	●	●	●	●	●	●	●	●	●	●	●	300°C	●	●	●	●	●	○	●	More yellow, semi-opaque
 	Red 1461 (C.I.PR146)	6-7	—	—	—	—	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—	Transparent, retort system
 	Red 1468 (C.I.PR146)	6	—	—	—	—	—	—	●	●	○	●	—	—	—	—	—	—	—	—	—	Economical grade
 	Red 170R (C.I.PR170)	7	●	●	○	●	—	●	○	●	—	●	●	—	—	—	—	—	—	—	—	Medium to yellow shade, good fastness
 	Red 170Y (C.I.PR170)	6-7	●	●	—	●	—	●	○	—	—	●	●	240°C	3	○	●	—	—	—	—	Medium shade with good fastness
 	Red 170B (C.I.PR170)	6-7	—	●	—	○	—	○	●	●	●	○	—	240°C	—	○	●	—	—	—	—	Blue shade with good fastness
 	Red 1760 (C.I.PR176)	7	●	●	—	●	—	●	—	—	—	●	●	260°C	5	●	●	—	●	—	●	Carmine color
 	Red 1770 (C.I.PR177)	8	●	●	—	●	—	●	●	—	—	●	—	—	—	—	—	—	—	—	—	Transparent blue shade
 	Red 1850 (C.I.PR185)	7-8	●	●	—	●	—	●	—	—	—	●	●	260°C	5	●	●	—	●	—	●	Carmine color
 	Red 2140FP (C.I.PR214)	7-8	●	●	—	●	—	●	—	—	—	—	—	300°C	5	●	●	○	●	○	●	Blue shade with extinguish color

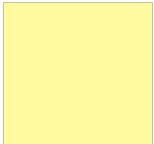
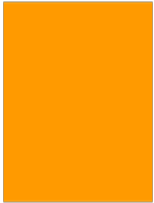
Pigment Color	Product Name	Light Fastness	Coatings							Inks							Plastics					Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA	Rubber	
 	Red 2540 (C.I.PR254)	8	●	●	●	●	●	●	●	●	○	●	●	300°C	5	●	●	○	●	—	●	DPP pigment with excellent fastness
 	Red 254BO (C.I.PR254)	8	●	●	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	More blue than Red 2540
 	Red 2660 (C.I.PR266)	6	—	—	—	—	—	—	●	●	●	—	—	—	—	—	—	—	—	—	—	Blue shade red with good fastness
 	Red 8110S (C.I.PR81)	7	—	—	—	—	—	—	●	●	—	●	—	—	—	—	—	—	—	—	—	Bright color with good fastness
 	Red 8110W (C.I.PR81)	7	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	Bright color for water based ink
 	Red 169W (C.I.PR169)	7	—	—	—	—	—	—	—	●	—	—	●	—	—	—	—	—	—	—	—	Good color strength
 	Orange 05 (C.I.PO5)	5-6	—	○	○	—	—	—	●	○	—	●	●	—	—	—	—	—	—	—	—	Semi-opaque
 	Orange 130 (C.I.PO13)	4-5	○	●	—	○	—	●	—	—	—	●	●	≤200°C	3	●	○	—	—	—	●	Semi-opaque type
 	Orange 131T (C.I.PO13)	4-5	—	—	—	—	—	—	●	●	—	●	—	—	—	—	—	—	—	—	—	Transparent
 	Orange 9131T (C.I.PO13)	4-5	—	—	—	—	—	—	●	●	○	●	—	—	—	—	—	—	—	—	—	Bright orange with low viscosity

Pigment Color	Product Name	Light Fastness	Coatings								Inks				Plastics								Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA	Rubber		
 	Orange 34T (C.I.PO34)	5-6	—	—	—	—	—	—	—	●	●	—	●	●	<200°C	2-3	●	○	—	—	—	●	Semi-transparent
 	Orange 340 (C.I.PO34)	6-7	●	●	—	●	—	●	—	—	—	—	—	—	<200°C	3	●	○	—	—	—	●	Bright orange with good opacity
 	Orange 360 Orange 360A (C.I.PO36)	7-8	●	●	●	●	—	●	—	—	○	—	●	●	—	—	—	—	—	—	—	—	Semi-opaque
 	Orange 640 (C.I.PO64)	7-8	—	●	—	○	—	●	—	—	—	—	—	—	300°C	5	●	●	●	●	—	●	Very bright orange with excellent heat stability
 	Orange 730 (C.I.PO73)	7-8	●	●	—	●	—	●	●	●	●	●	●	—	300°C	5	●	●	○	○	—	●	DPP Orange with good color saturation
 	Violet V3SH (C.I.PV3)	5	—	—	—	—	—	—	—	●	—	—	●	—	—	—	—	—	—	—	—	—	Good color strength
 	Violet V3W (C.I.PV3)	5	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	For water based ink
 	Red E5B Red E5B02 (C.I.PV19)	7-8	●	●	—	●	—	●	—	—	—	—	●	●	300°C	5	●	●	○	●	—	●	Gamma type, pink color
 	Violet RT201 (C.I.PV19)	8	●	●	—	●	—	●	—	—	—	—	●	●	300°C	5	●	●	●	●	○	●	Beta type, violet color
 	Violet 2300 (C.I.PV23)	7-8	●	●	●	●	—	●	—	●	●	●	●	●	260°C	4	●	●	○	○	—	●	Good color strength, economical grade

Pigment Color	Product Name	Light Fastness	Coatings								Inks					Plastics								Properties
			Refinish Paint	Industrial Paint	Decorative Paint	Coil Coating	Wood Coating	Powder Coating	PA Ink	CI-PP Ink	PU Ink	NC Ink	Waterbased	Heat Stability (°C)	Migration	PVC	PE/PP	ABS	PS	PA	Rubber			
 	Violet 2300R/P (C.I.PV23)	7-8	●	●	●	●	—	●	●	●	●	●	●	—	280°C	4-5	●	●	○	●	—	●	Red shade, good gloss and flow	
 	Violet 27W (C.I.PV27)	4	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	Good strength	
 	Blue 1500P (C.I.PB15)	6-7	—	—	—	—	—	—	—	—	—	—	—	—	200°C	4	○	●	○	—	—	—	Red shade, economical type	
 	Blue 1510 (C.I.PB15:1)	7-8	—	●	●	—	—	—	—	—	—	—	—	—	260°C	4-5	●	●	○	—	○	●	Red shade, good heat stability	
 	Blue 1535A (C.I.PB15:3)	7-8	●	●	—	●	—	●	●	●	●	●	●	○	280°C	5	●	●	○	—	—	○	Red shade, good gloss	
 	Blue 1537 (C.I.PB15:3)	7-8	—	○	—	○	—	—	●	●	●	●	●	○	280°C	5	●	●	○	—	—	○	Red shade, good gloss	
 	Blue A3R (C.I.PB60)	7-8	●	●	—	●	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	Very red shade	
 	Green GFP311 Green GFP-P (C.I.PG7)	7-8	●	●	●	●	—	—	●	●	●	●	●	○	280°C	5	●	●	●	●	○	●	Clean color green	

Lead-free organic pigments

Safe, non-toxic, and environmentally friendly, our lead-free organic pigments deliver brighter color and stronger tinting strength than traditional lead-based inorganic pigments.

Chrome Color Hue	Synth-edge Product	C.I. No	Fastness Properties			Applications			
			Light Fastness	Heat stability (°C)	Migration	Refinish Paint	Industrial Paint	Water Dispersion	Powder Coating
	Yellow Y03W	PY3	6-7	140	3	—	—	●	—
	Yellow 810/810C		PY81	6-7	200	4-5	○	●	●
	Yellow 184LH	PY184	8	220	4	●	●	●	●
	Yellow 740	PY74	7	140	2-3	—	○	●	—
	Yellow 1510	PY151	7-8	200	4-5	●	●	●	●
	Yellow 1540	PY154	7-8	200	4-5	●	●	●	●
	Yellow 650	PY65	6-7	200	3-4	—	—	●	—
	Yellow HR830	PY83	7-8	200	4-5	○	●	●	●
	Yellow 1100	PY1110	7-8	200	4-5	●	●	●	●
	Yellow 1390	PY139	7-8	200	4-5	●	●	●	●
	Orange 340	PO34	6-7	140	3-4	—	○	○	○
	Orange 360	PO36	7-8	220	4	●	●	●	●
	Orange 760	PO73	8	200	4-5	●	●	●	●

Product Name	Light Fastness	Paint				Plastics			
		Refinish Paint	Industrial Paint	Powder Coating	Water based Paint	PVC	IPE/PP	ABS	Rubber
Yellow 350G C.I.PY 34	5	—	●	○	●	●	●	—	●
Yellow 406 C.I.PY 34	6	—	●	○	●	●	●	—	●
Yellow 506 C.I.PY 34	6	—	●	○	●	●	●	—	●
Yellow 706 C.I.PY 34	6	—	●	○	●	●	●	—	●
Yellow 508 C.I.PY 34	3-4	○	●	●	●	●	●	—	●
Yellow 708/708E C.I.PY 34	3-4	○	●	●	●	●	●	—	●
Yellow 808 C.I.PY 34	3-4	○	●	●	●	●	●	—	●
Yellow 1000C C.I.PY 34	8	●	●	●	●	—	—	—	—
Yellow 4000C C.I.PY 34	8	●	●	●	●	—	—	—	—
Yellow 1000P C.I.PY 34	6	—	—	—	—	●	●	●	●
Yellow 4000P C.I.PY 34	6	—	—	—	—	●	●	●	●
Red 7000C C.I.PR 104	7-8	●	●	●	●	—	—	—	—
Red 8000C C.I.PR 104	7-8	●	●	●	●	—	—	—	—
Red 7000P C.I.PR 104	7-8	—	—	—	—	●	●	●	●
Red 8000P C.I.PR 104	7-8	—	—	—	—	●	●	●	●
Red 700 C.I.PR 104	3-4	○	●	●	●	●	●	—	○
Thermoxide Yellow 20 C.I.PY 42	8	●	●	●	●	●	●	●	●
Thermoxide Yellow 30 C.I.PY 42	8	●	●	●	●	●	●	●	●