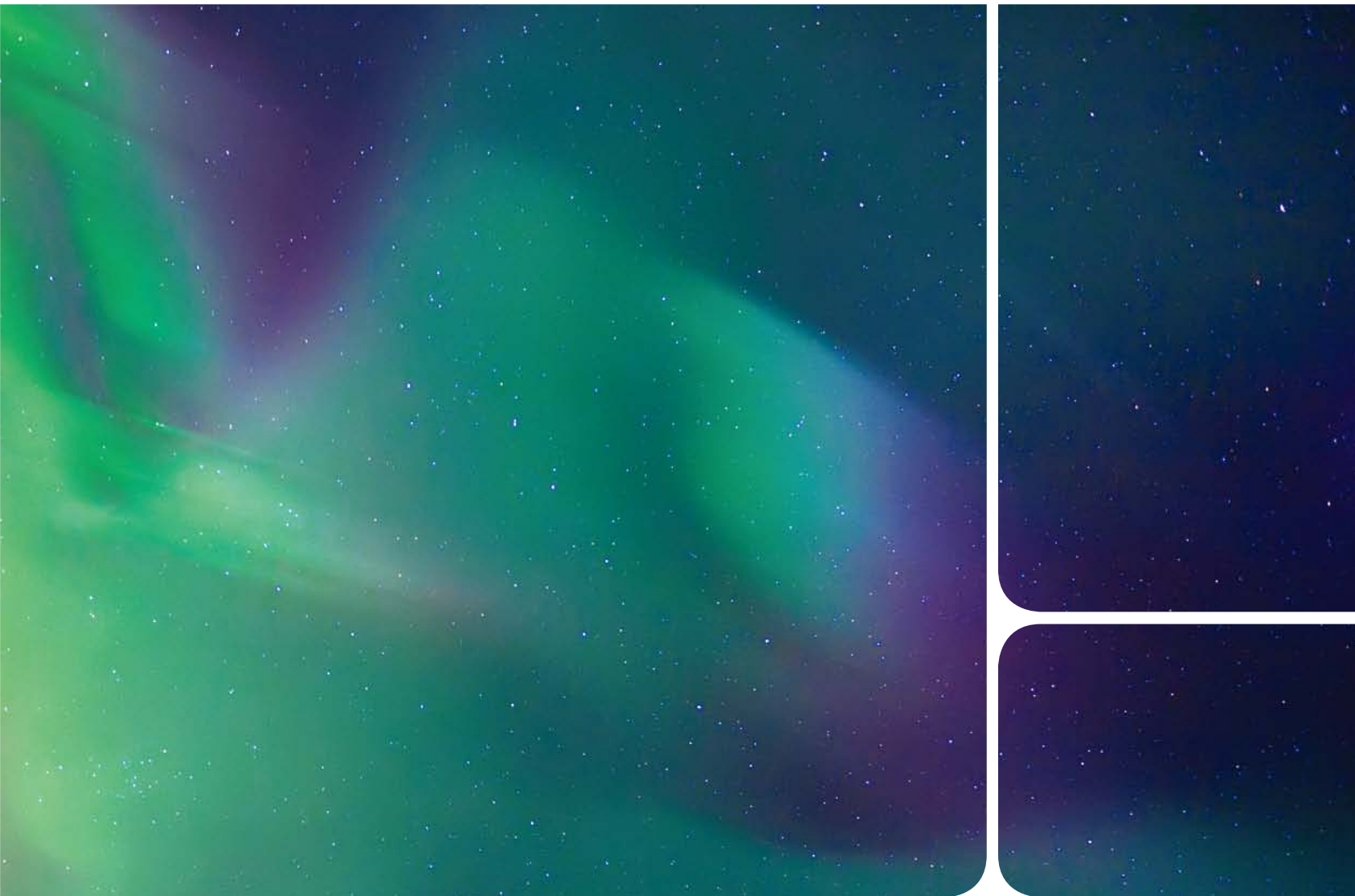


Esorora Glare[®]

Optically Variable Pearlescent Pigments



The world's leader in
quality effect pigment technology



Esorora Glare®

Product Info.

- Color changeable pearlescent pigments as viewing angle.
- Calcium titanium borosilicate based pearlescent pigments.
- High transparency, clear color and superior sparkling effect.
- All ingredients were registered in ICID.
- Parabens Free and No animal testing.
- No contain the health and environmental hazard materials.
- Conforms global cosmetic regulations.
(US, EU, China, Japan etc.)

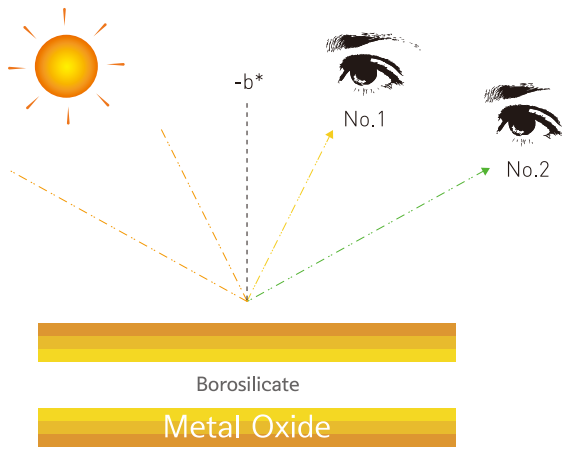
Esorora Glare®

Optically Variable Pearlescent Pigments Technical Data

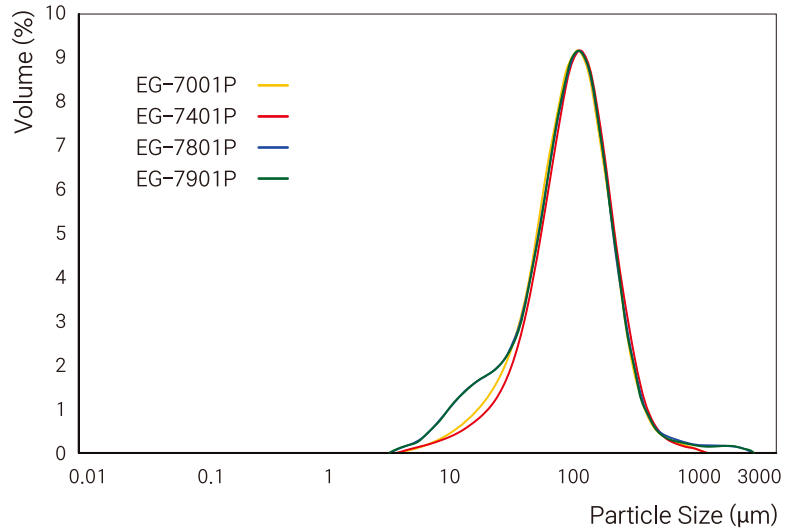
Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition		
		(D10-D90)	(D50)		Calcium Titanium Borosilicate	SnO ₂	TiO ₂
EG-7001P	Esorora Glare® Crystal Gold	30 - 180	75 - 90	7 - 11	○	○	○
EG-7401P	Esorora Glare® Crystal Red	30 - 180	75 - 90	7 - 11	○	○	○
EG-7801P	Esorora Glare® Crystal Blue	30 - 180	75 - 90	7 - 11	○	○	○
EG-7901P	Esorora Glare® Crystal Green	30 - 180	75 - 90	7 - 11	○	○	○
EG-7001H	Esorora Glare® Ultra Glitter Gold	60 - 500	150 - 200	7 - 11	○	○	○
EG-7401H	Esorora Glare® Ultra Glitter Red	60 - 500	150 - 200	7 - 11	○	○	○
EG-7601H	Esorora Glare® Ultra Glitter Violet	60 - 500	150 - 200	7 - 11	○	○	○
EG-7801H	Esorora Glare® Ultra Glitter Blue	60 - 500	150 - 200	7 - 11	○	○	○

Special Colored Effect Pigments

Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition				
		(D10-D90)	(D50)		Calcium Titanium Borosilicate	SnO ₂	TiO ₂	Fe ₂ O ₃	Fe ₃ O ₄
EGM-7401P	Esorora Glare® Crystal Corallina	20 - 160	65 - 80	5 - 9	○	○	○	○	
EGM-7401H	Esorora Glare® Ultra Glitter Corallina	40 - 400	140 - 180	5 - 9	○	○	○	○	
EGMB-7401P	Esorora Glare® Crystal Lavender	20 - 160	65 - 80	6 - 10	○	○	○	○	○



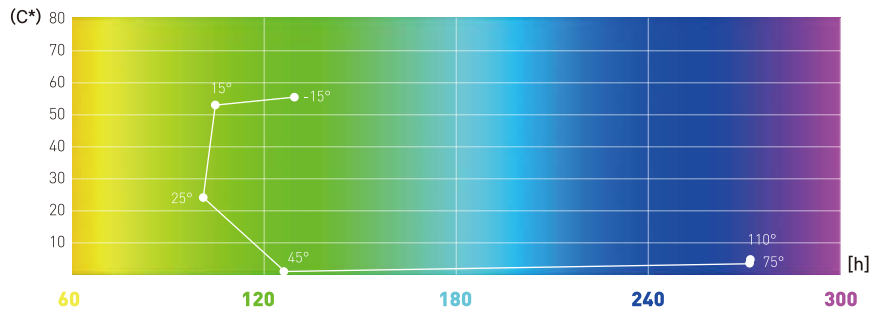
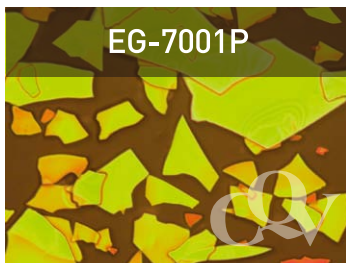
Particle Size Distribution



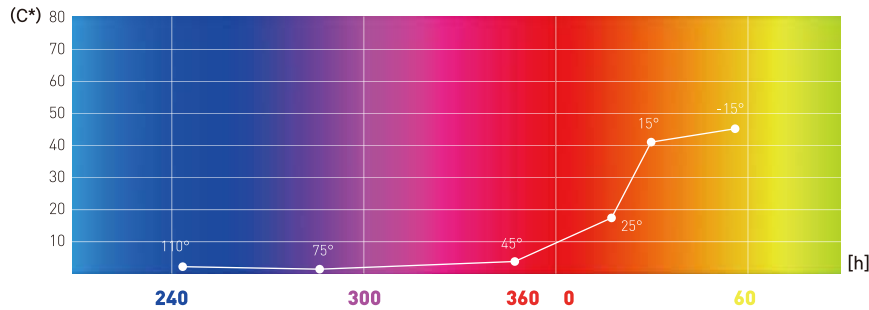
Microscopic Image(X200) & Spectrophotometer

pigments rate : 6wt%, on black background

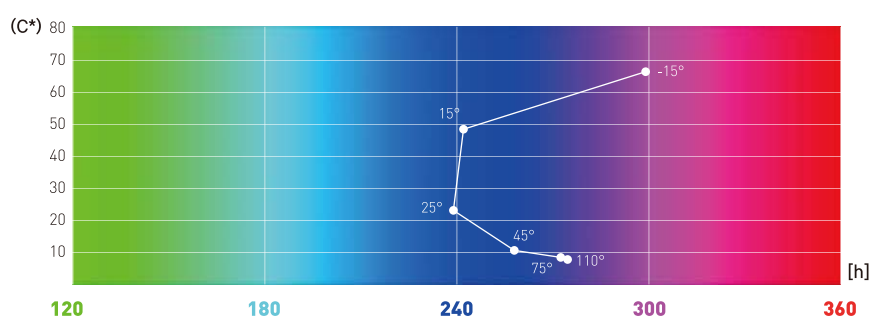
Trafo-Ref: BYK-mac i 23mm (hue)



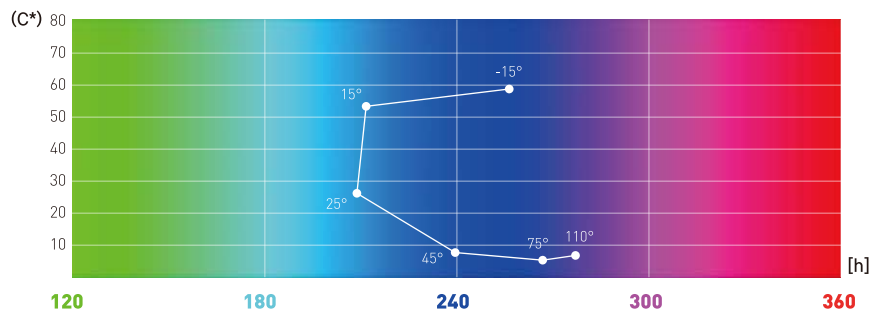
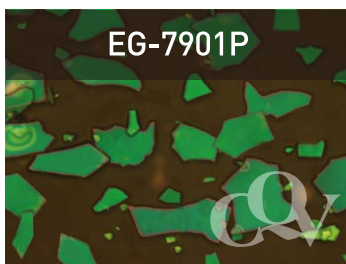
\angle	h	c^*
-15°	129.48	55.51
15°	104.76	53.08
25°	100.99	24.14
45°	126.18	1.02
75°	271.77	3.61
110°	272.01	4.79



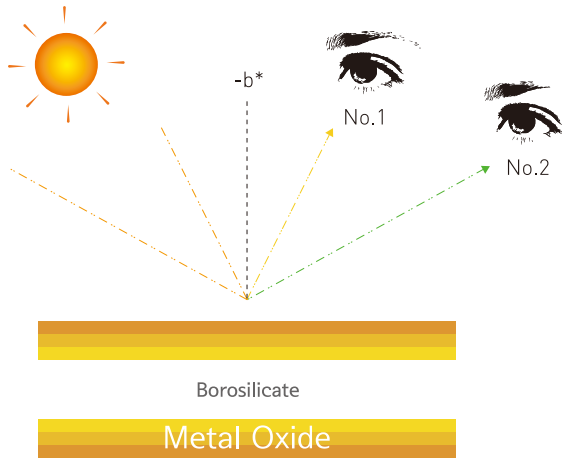
\angle	h	c^*
-15°	55.62	45.37
15°	29.36	41.18
25°	16.97	17.48
45°	346.71	3.84
75°	285.68	1.44
110°	242.84	2.22



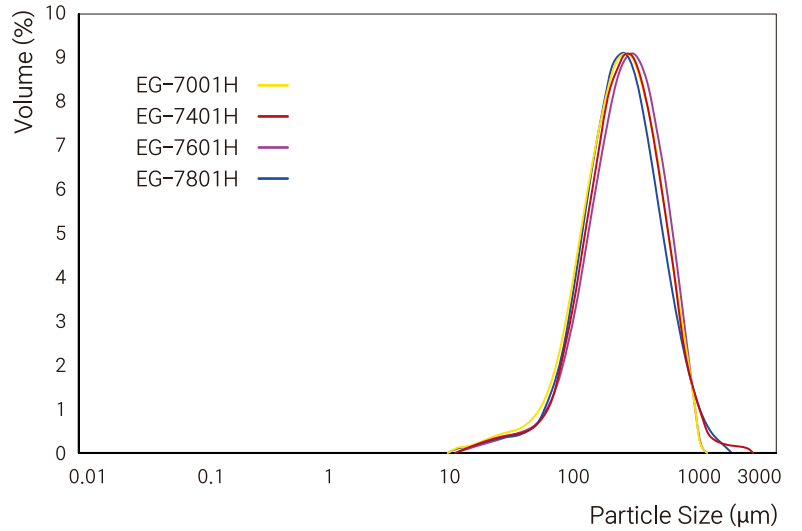
\angle	h	c^*
-15°	289.78	66.08
15°	241.91	48.12
25°	238.76	22.79
45°	257.77	10.29
75°	272.27	8.1
110°	274.41	7.45



\angle	h	c^*
-15°	256.34	58.97
15°	211.64	53.56
25°	208.75	26.39
45°	239.46	7.87
75°	266.79	5.49
110°	277.05	6.97



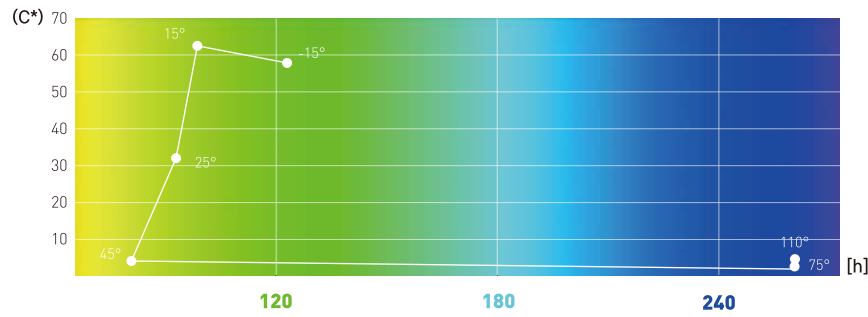
Particle Size Distribution



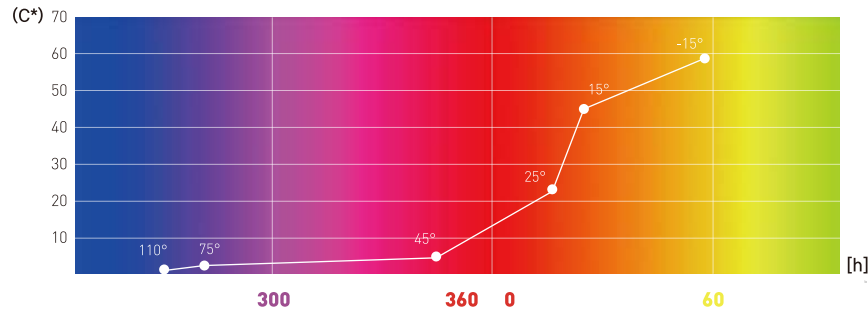
Microscopic Image(X100) & Spectrophotometer

pigments rate : 6wt%, on black background

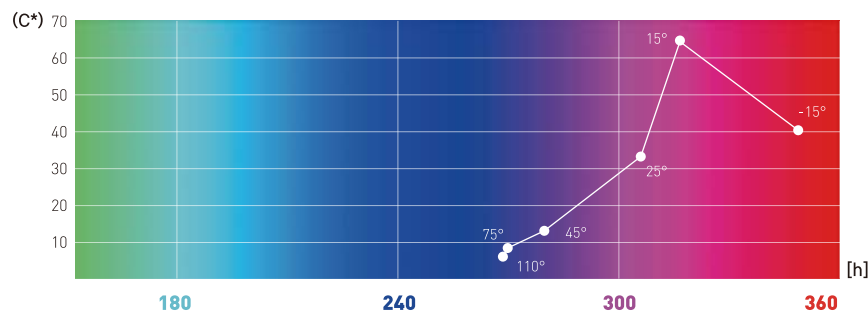
Trafo-Ref: BYK-mac i 23mm (hue)



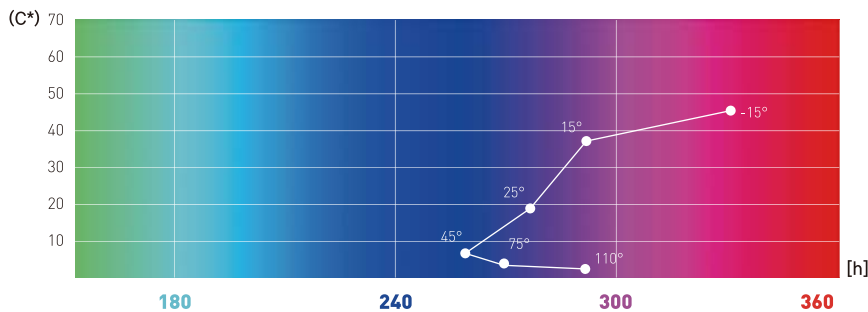
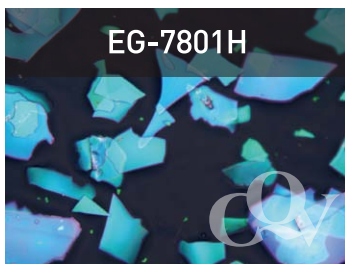
\angle	h	c^*
-15 °	123.02	57.79
15 °	98.69	62.42
25 °	92.92	31.99
45 °	80.81	4.13
75 °	260.46	2.65
110 °	260.56	4.64



\angle	h	c^*
-15 °	57.56	58.28
15 °	24.82	44.58
25 °	16.25	22.81
45 °	344.75	4.61
75 °	282.04	2.16
110 °	271.05	1.09



\angle	h	c^*
-15 °	348.25	40.16
15 °	316.3	64.44
25 °	305.71	33.04
45 °	279.6	12.95
75 °	269.68	8.29
110 °	268.36	5.96

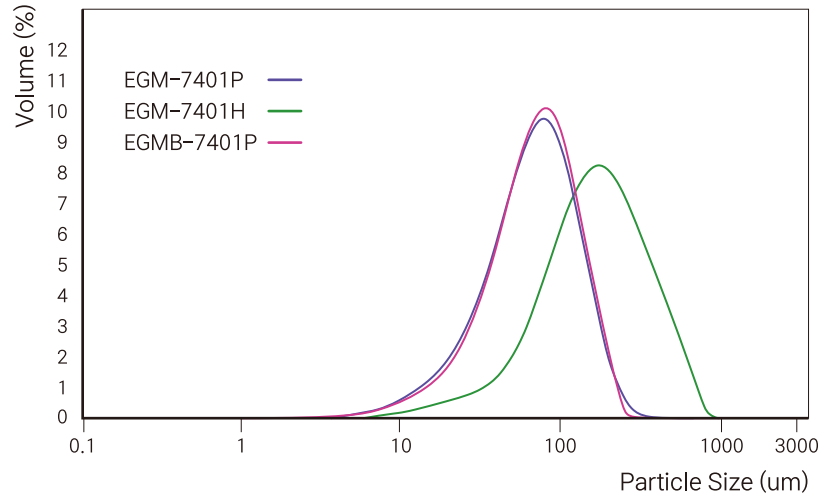


\angle	h	c^*
-15 °	331.06	56.17
15 °	292.01	36.92
25 °	276.84	18.67
45 °	259.21	6.51
75 °	269.66	3.76
110 °	291.72	2.27

Esorora Glare®

Special Colored Effect Pigments

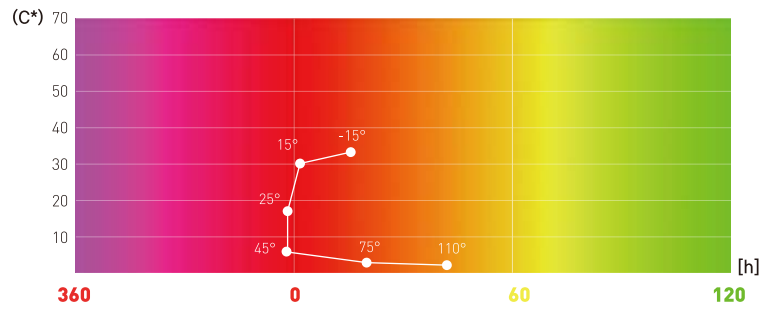
Particle size distribution



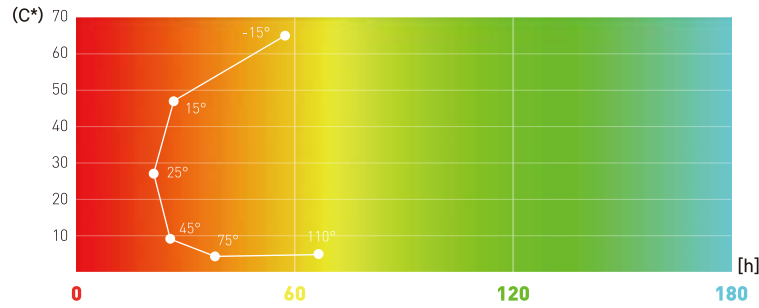
Microscopic Image & Spectrophotometer

pigments rate : 6wt%, on black background

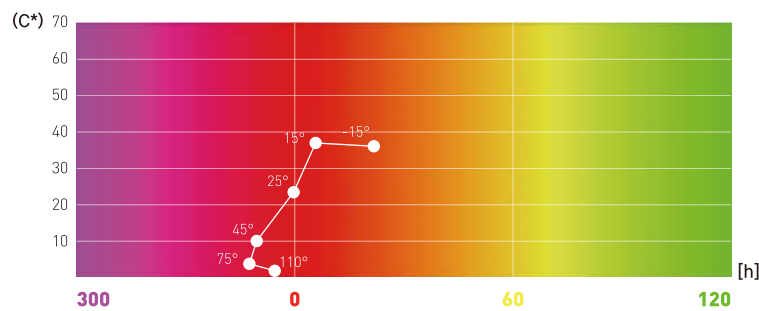
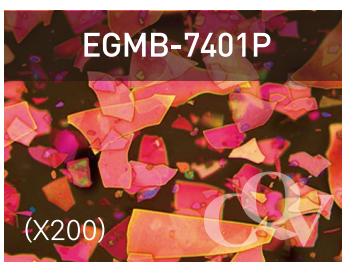
Trafo-Ref: BYK-mac i 23mm (hue)



∠	h	c*
-15°	15.57	33.06
15°	1.7	30.08
25°	358.16	17.14
45°	357.94	5.79
75°	19.71	2.88
110°	42.04	2.23



∠	h	c*
-15°	57.31	64.92
15°	26.75	46.99
25°	21.21	27.05
45°	25.78	9
75°	38.07	4.24
110°	66.54	4.73



∠	h	c*
-15°	21.73	36.09
15°	5.74	37
25°	359.68	23.46
45°	349.53	10.05
75°	347.51	3.77
110°	354.49	1.86

Esorora Glare®

Optically Variable Pearlescent Pigments

Esorora Glare® series are borosilicate based color-travel pearlescent pigments. Esorora Glare® series give multi interference color effects by using refractive effect of light when light passes through high refractive layer and lower one. It gives angle-dependent effect. And it gives excellent transparency, clean color and sparkle coming from plain surface of borosilicate. Esorora Glare® series give higher color and effect for final application.

Special Features

- Borosilicate based pearlescent pigments
- Optically variable pearlescent pigments as viewing angle
- High transparency, clear color and excellent sparkling effect
- Easy to disperse
- Available in various cosmetic formulations

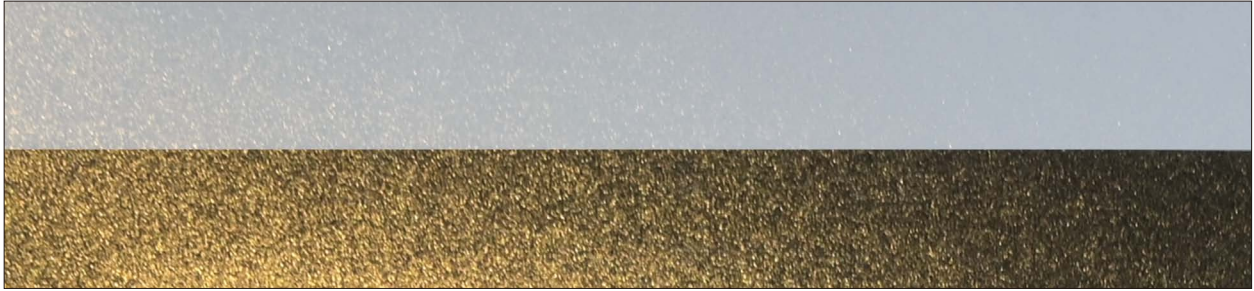
Applications

- Eye related products
- Nail enamel related products
- Lip care related products
- Body and beauty products

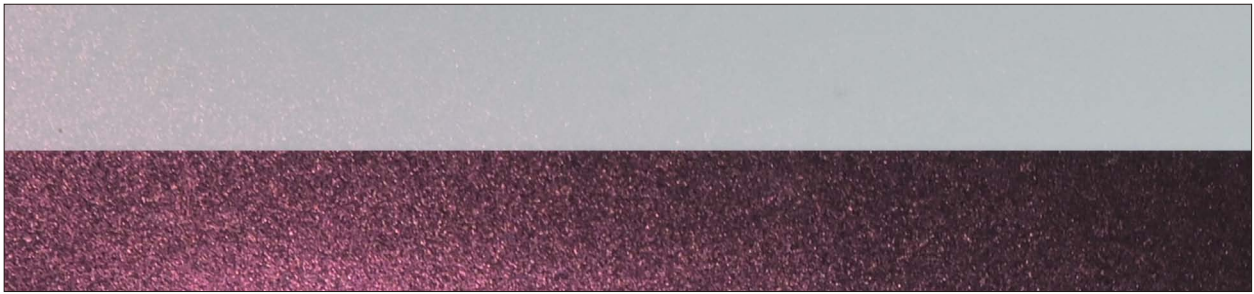


Esorora Glare®

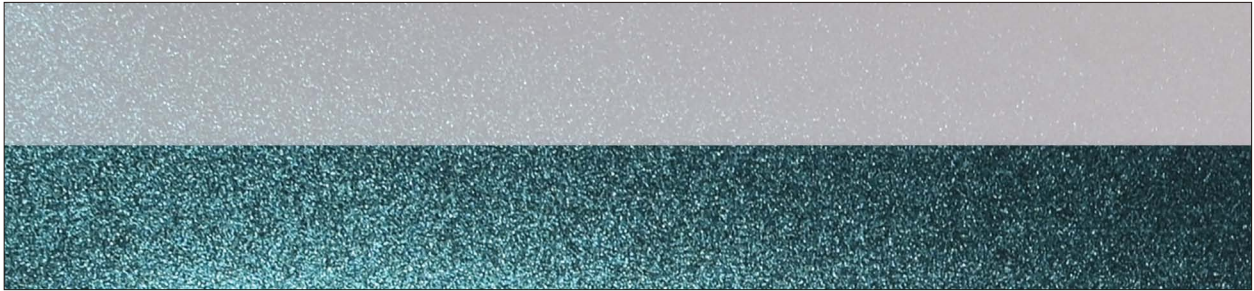
Optically Variable Pearlescent Pigments



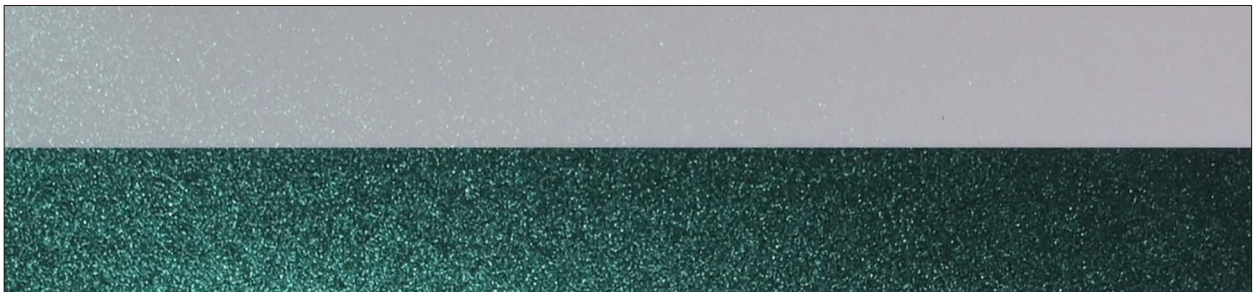
Esorora Glare® Crystal Gold **EG-7001P** Size(μm) 30 - 180



Esorora Glare® Crystal Red **EG-7401P** Size(μm) 30 - 180



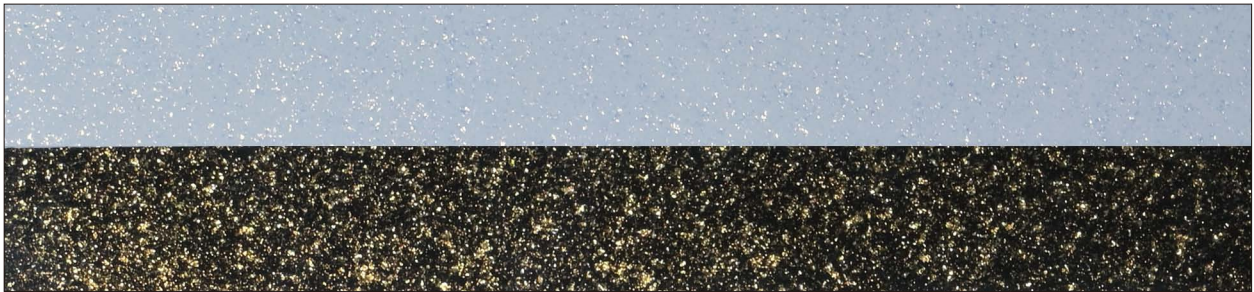
Esorora Glare® Crystal Blue **EG-7801P** Size(μm) 30 - 180



Esorora Glare® Crystal Green **EG-7901P** Size(μm) 30 - 180

Esorora Glare[®]

Optically Variable Pearlescent Pigments



Esorora Glare[®] Ultra Glitter Gold **EG-7001H** Size(μm) 60 - 500



Esorora Glare[®] Ultra Glitter Red **EG-7401H** Size(μm) 60 - 500



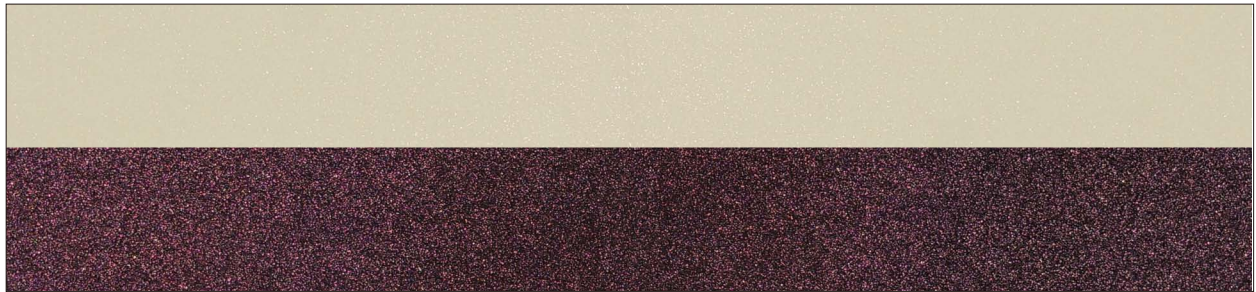
Esorora Glare[®] Ultra Glitter Violet **EG-7601H** Size(μm) 60 - 500



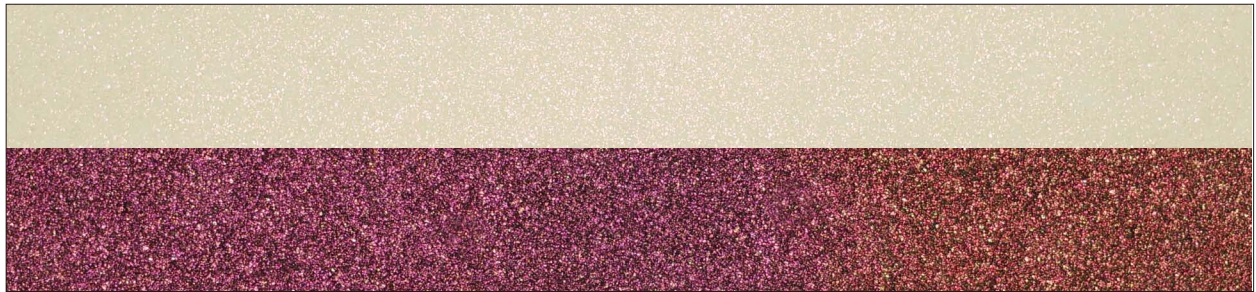
Esorora Glare[®] Ultra Glitter Blue **EG-7801H** Size(μm) 60 - 500

Esorora Glare®

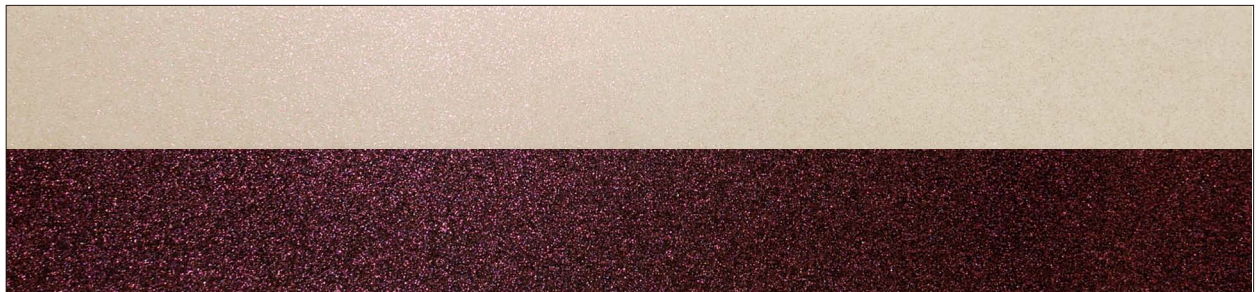
Optically Variable Pearlescent Pigments



Esorora Glare® Crystal Corallina **EGM-7401P** Size(μm) 20 - 160



Esorora Glare® Ultra Glitter Corallina **EGM-7401H** Size(μm) 40 - 400



Esorora Glare® Crystal Lavender **EGMB-7401P** Size(μm) 20 - 160

CQV GLOBAL NETWORK

“World Leading Pigments Material Provider ”



Creation of Quality Value

씨큐브 주식회사

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