EXTERIOR USE

Automotive Ferrius™

Pearl Effect Pigments

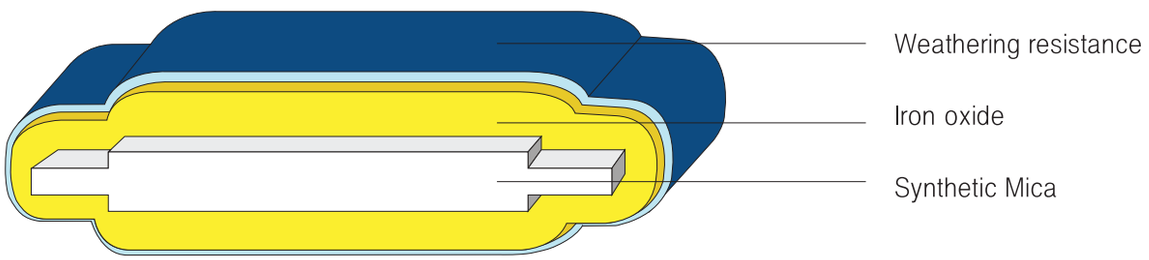
The World Quality Leader in
Effect Pigments Technology >>>>>>

Creation of Quality Value

Automotive Ferrius™

Pearl Effect Pigments

Automotive Ferrius series are synthetic mica based pearl effect pigments coated with Fe_2O_3 for exterior use.
Automotive Ferrius series show real metal color and gloss that we've never seen before.
Although, Automotive Ferrius series just contain the synthetic mica and iron oxide like existing metallic effect pearl pigments, it can express more amazing effect than existing metallic effect pearl pigments by CQV's own unique technology.
When Automotive Ferrius series come to you, you can feel real metal and luster effect.
By using Automotive Ferrius series, you can achieve more variuos and unique products having excellent color and luster.



Special Features

Excellent real metal effect pigments.
Super metal sparkling and chroma effect
Adequate PSD for coating.
Easy to use.
Good stability.

Dispersion

Suitable for both of W/B,S/B

Application

Automotive coating
Automotive refinish paints
Exterior coating

Creation of Quality Value

Synthetic mica based effect pigments

Coated with only Iron oxide as colorant.

Surface treated for weathering resistance.

Surface treated for dispersion in W/B, S/B.

Excellent real metal effect pigments.

Super metal sparkling and chroma effect

All components are pre-registered for REACH regulation.

Conforms RoHs regulation.

No contain the health and environmental hazard materials.

CQV

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Automotive Ferrius™

Pearl Effect Pigments

AF-620K-OP

Automotive Ferrius Splendor Bronze
Size(㎛) 7 – 37

AF-620K-SP

Automotive Ferrius Splendor Bronze
Size(㎛) 7 – 37

AF-630K-OP

Automotive Ferrius Splendor Orange
Size(㎛) 7 – 37

AF-630K-SP

Automotive Ferrius Splendor Orange
Size(㎛) 7 – 37

AF-640K-OP

Automotive Ferrius Splendor Copper
Size(㎛) 7 – 37

AF-640K-SP

Automotive Ferrius Splendor Copper
Size(㎛) 7 – 37

AF-660K-OP

Automotive Ferrius Splendor Russet
Size(㎛) 7 – 37

AF-660K-SP

Automotive Ferrius Splendor Russet
Size(㎛) 7 – 37

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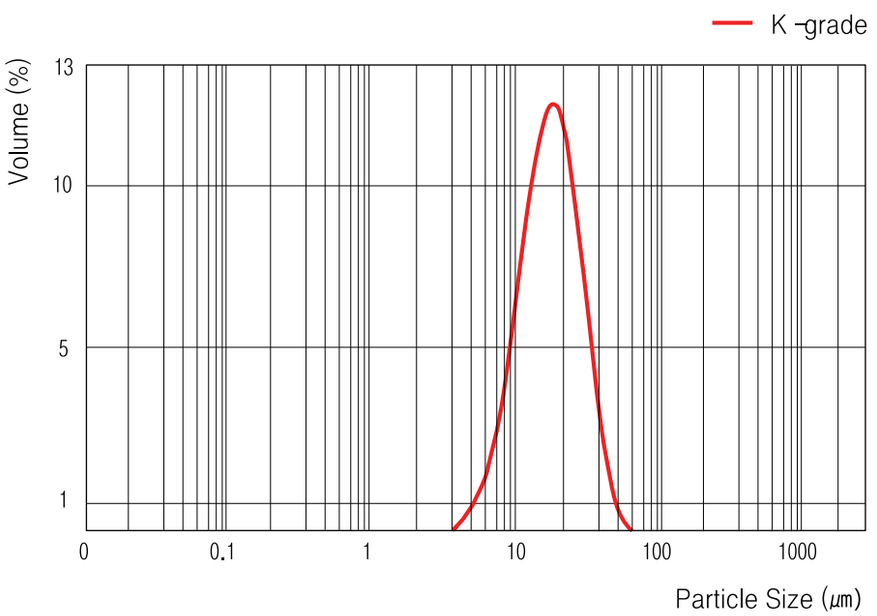
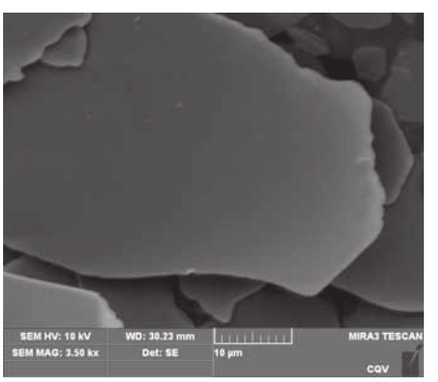
Automotive Ferrius™ Pearl Effect Pigments

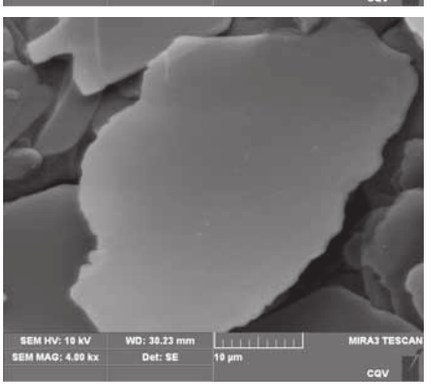
Technical data

Code	Product Name	Particle Size(㎛) (D10 – D90)	Particle Size(㎛) (D50)	pH (10% Sol.)	Composition KMg3AlSi3O10F2	Fe2O3	Silane
AF-620K-OP	Automotive Ferrius Splendor Bronze	7 – 37	16 – 22	4 – 9	O	O	O
AF-620K-SP	Automotive Ferrius Splendor Bronze	7 – 37	16 – 22	4 – 9	O	O	O
AF-630K-OP	Automotive Ferrius Splendor Orange	7 – 37	16 – 22	4 – 9	O	O	O
AF-630K-SP	Automotive Ferrius Splendor Orange	7 – 37	16 – 22	4 – 9	O	O	O
AF-640K-OP	Automotive Ferrius Splendor Copper	7 – 37	16 – 22	4 – 9	O	O	O
AF-640K-SP	Automotive Ferrius Splendor Copper	7 – 37	16 – 22	4 – 9	O	O	O
AF-660K-OP	Automotive Ferrius Splendor Russet	7 – 37	16 – 22	4 – 9	O	O	O
AF-660K-SP	Automotive Ferrius Splendor Russet	7 – 37	16 – 22	4 – 9	O	O	O



Particle size distribution measured by laser diffraction
Instrument: Malvern Matersizer 2000





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Application data

Weathering Test Item	Test system	Q-UV 1000hr Test (ASTM D4587 Cycle Number 1)							
		Visual Assessment	glossmeter PG-1M Ver 1.66			color-difference meter CM-512m3			
	2-coat OEM thermosetting paint	Gray Scale (D-65)	persistency rate (%)			dE*ab(D65)∠10°			
			20 °	60 °	85 °	25 °	45 °	75 °	
AF-620K-OP(SP)	PC 1.5 %	5	104%	100%	105%	0.32	0.31	0.23	
AF-630K-OP(SP)	PC 1.5 %	5	96%	100%	98%	0.09	0.25	0.20	
AF-640K-OP(SP)	PC 1.5 %	5	101%	101%	101%	0.30	0.31	0.24	
AF-660K-OP(SP)	PC 1.5 %	5	99%	100%	98%	0.21	0.31	0.30	

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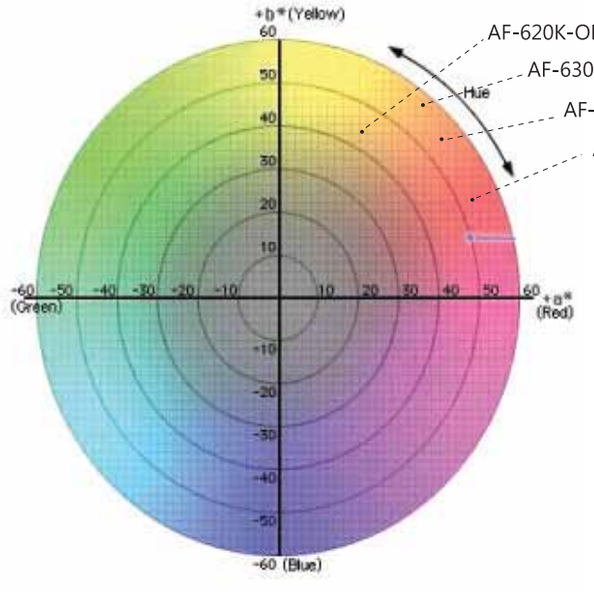
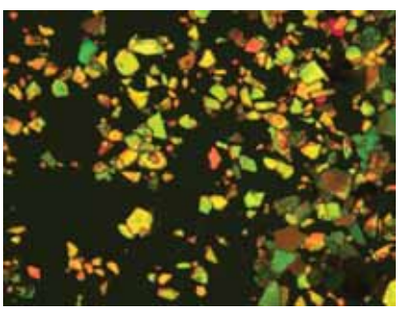


	L*	a*	b*
AF-620K-OP(SP)	59.07	16.11	39.09
AF-630K-OP(SP)	58.61	30.59	46.91
AF-640K-OP(SP)	50.02	38.18	37.07
AF-660K-OP(SP)	50.94	41.82	24.90

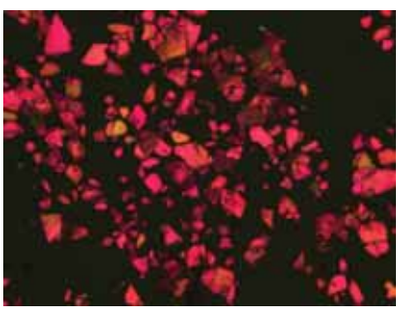
Automotive Ferrius™ Pearl Effect Pigments

The Microphotographic

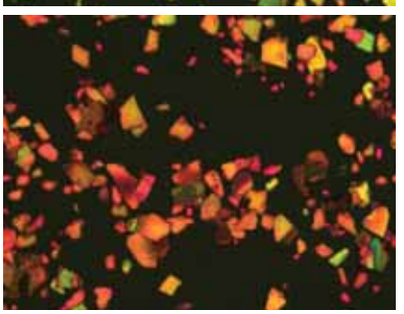
AF-620K-OP(SP)



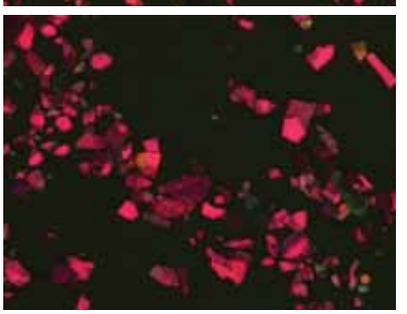
AF-640K-OP(SP)



AF-630K-OP(SP)



AF-660K-OP(SP)



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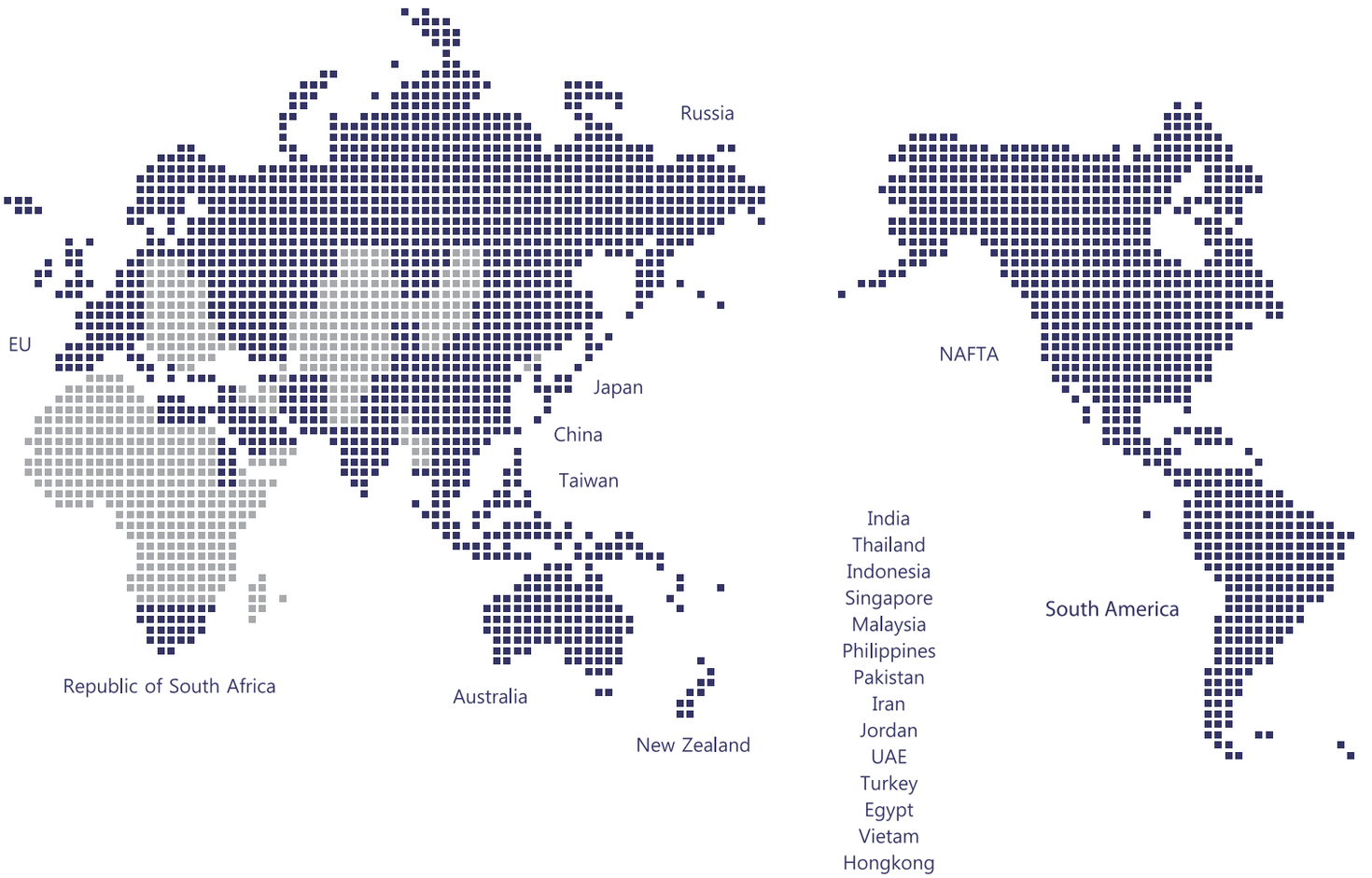
CQV GLOBAL NETWORK

"World Leading Pigment Material Provider"



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