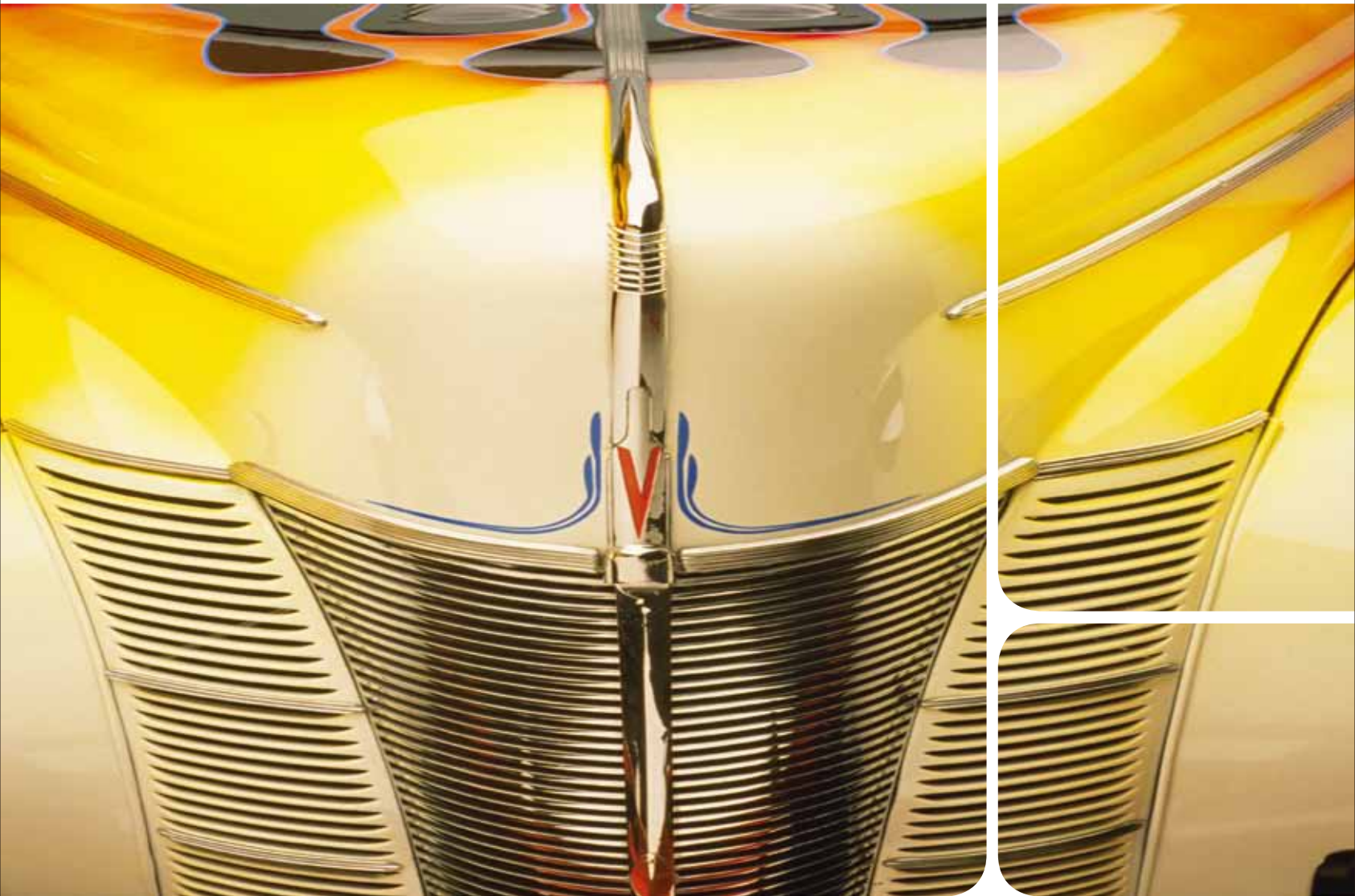


# Automotive Natural™

## Pearlescent Pigments

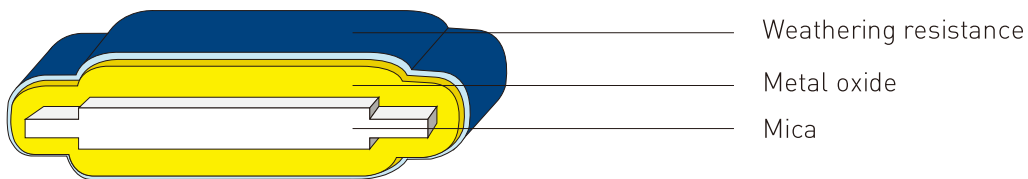


The world's leader in  
quality effect pigment technology



# Automotive Natural™ Product Info.

- Weathering treatment of automotive pearl
- Strengthening of U.V & Water resistance
- Strengthening of compatibility  
(Silane coupling agents coating)



#### OP Version

Better compatibility with water-born resin

#### SP Version

Better compatibility with both of solvent-born and water-born resin

High  
QUALITY

Various  
PRODUCTS

Timely  
DELIVERY

Rational  
PRICE

Rapid  
FEED-BACK

# Surface treatment of CQV's exterior pigments in detail

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Automotive pearlescent pigments have surface treatment on particle for property improvement of weather-fastness, water resistance, chemical stability and adhesion etc.

CQV, exterior pigments are basically available with the below three different weather resistant coatings.

## **NT Version(Automotive line)**

Better compatibility with solvent-born resin

## **SP Version(Automotive, Automotive Chaos line)**

Better compatibility with both of solvent-born and water-born resin

## **OP Version(Automotive Natural line)**

Better compatibility with both of solvent-born and water-born resin

# Automotive Natural<sup>TM</sup> Pearlescent Pigments

Automotive Natural<sup>TM</sup> OP製品は天然マイカを自動車用塗料として使うため、表面処理の工程を経た製品です。

シランと言う両性物質で表面処理したことにより、様々な分野で使われている塗料樹脂に対する互換性が增大されました。

もちろん、天然マイカパール特有の干渉色と光沢ももっております。

それぞれのデザイナーの作業環境に合わせて作業できるオーダーメイド製品です。

## Special Features

- 優しい光沢
- 様々な分野で適用可能
- 高い耐久性と耐湿性

## Applications

- 自動車コーティング
- 外装材
- 建築物コーティング
- PCM(Pre Coated Metal)コーティング



# Automotive Natural™

## Pearlescent Pigments Product List

### Automotive Natural White Pearlescent Pigments

Product Name	Code	Size(μm)
Automotive Natural™ Micro White	A-801F-OP	2 - 14
Automotive Natural™ Fine White	A-801D-OP	5 - 25
Automotive Natural™ Splendor White	A-801K-OP	5 - 35
Automotive Natural™ Dazzling White	A-801S*-OP/SP	9 - 40
Automotive Natural™ Sparkle White	A-801E-OP	18 - 100

### Automotive Natural Interference Pearlescent Pigments

Product Name	Code	Size(μm)
Automotive Natural™ Fine Gold	A-501D-OP	5 - 25
Automotive Natural™ Fine Red	A-541D-OP	5 - 25
Automotive Natural™ Fine Violet	A-561D-OP	5 - 25
Automotive Natural™ Fine Blue	A-581D-OP	5 - 25
Automotive Natural™ Fine Green	A-591D-OP	5 - 25
Automotive Natural™ Dazzling Gold	A-501S*-OP	9 - 40
Automotive Natural™ Dazzling Red	A-541S*-OP	9 - 40
Automotive Natural™ Dazzling Violet	A-561S*-OP	9 - 40
Automotive Natural™ Dazzling Blue	A-581S*-OP	9 - 40
Automotive Natural™ Dazzling Green	A-591S*-OP	9 - 40

### Automotive Natural Metallic Pearlescent Effect Pigments

Product Name	Code	Size(μm)
Automotive Natural™ Satin Gold	A-201D-OP	5 - 25
Automotive Natural™ Metallic Gold	A-201S*-OP	9 - 40
Automotive Natural™ Real Gold	A-203S*-OP	9 - 40
Automotive Natural™ Satin Copper	A-240D-OP	5 - 25
Automotive Natural™ Satin Russet	A-260D-OP	5 - 25
Automotive Natural™ Super Copper	A-244S*-OP	9 - 40
Automotive Natural™ Super Russet	A-266S*-OP	9 - 40

# Automotive Natural™

## Pearlescent Pigments

### Automotive Natural White Pearlescent Pigments



Automotive Natural™  
Micro White  
**A-801F-OP**  
Size(μm) 2 - 14



Automotive Natural™  
Fine White  
**A-801D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Splendor White  
**A-801K-OP**  
Size(μm) 5 - 35



Automotive Natural™  
Dazzling White  
**A-801S\*-OP/SP**  
Size(μm) 9 - 40



Automotive Natural™  
Sparkle White  
**A-801E-OP**  
Size(μm) 18 - 100

### Automotive Natural Interference Pearlescent Pigments



Automotive Natural™  
Fine Gold  
**A-501D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Fine Red  
**A-541D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Fine Violet  
**A-561D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Fine Blue  
**A-581D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Fine Green  
**A-591D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Dazzling Gold  
**A-501S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Dazzling Red  
**A-541S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Dazzling Violet  
**A-561S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Dazzling Blue  
**A-581S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Dazzling Green  
**A-591S\*-OP**  
Size(μm) 9 - 40

# Automotive Natural™

## White Pearlescent Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition			
		(D10-D90)	(D50)		Mica	SnO <sub>2</sub>	TiO <sub>2</sub>	Silane
A-801F-OP	Automotive Natural™ Micro White	2 - 14	5 - 8	4 - 8	○	○	○	○
A-801D-OP	Automotive Natural™ Fine White	5 - 25	9 - 13	4 - 8	○	○	○	○
A-801K-OP	Automotive Natural™ Splendor White	5 - 35	15 - 20	4 - 8	○	○	○	○
A-801S*-OP/SP	Automotive Natural™ Dazzling White	9 - 40	18 - 22	4 - 8	○	○	○	○
A-801E-OP	Automotive Natural™ Sparkle White	18 - 100	46 - 52	4 - 8	○	○	○	○

## Interference Pearlescent Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition			
		(D10-D90)	(D50)		Mica	SnO <sub>2</sub>	TiO <sub>2</sub>	Silane
A-501D-OP	Automotive Natural™ Fine Gold	5 - 25	9 - 13	4 - 8	○	○	○	○
A-541D-OP	Automotive Natural™ Fine Red	5 - 25	9 - 13	4 - 8	○	○	○	○
A-561D-OP	Automotive Natural™ Fine Violet	5 - 25	9 - 13	4 - 8	○	○	○	○
A-581D-OP	Automotive Natural™ Fine Blue	5 - 25	9 - 13	4 - 8	○	○	○	○
A-591D-OP	Automotive Natural™ Fine Green	5 - 25	9 - 13	4 - 8	○	○	○	○
A-501S*-OP	Automotive Natural™ Dazzling Gold	9 - 40	18 - 22	4 - 8	○	○	○	○
A-541S*-OP	Automotive Natural™ Dazzling Red	9 - 40	18 - 22	4 - 8	○	○	○	○
A-561S*-OP	Automotive Natural™ Dazzling Violet	9 - 40	18 - 22	4 - 8	○	○	○	○
A-581S*-OP	Automotive Natural™ Dazzling Blue	9 - 40	18 - 22	4 - 8	○	○	○	○
A-591S*-OP	Automotive Natural™ Dazzling Green	9 - 40	18 - 22	4 - 8	○	○	○	○

# Automotive Natural™

## Pearlescent Pigments

Automotive Natural Metallic Pearlescent Pigments



Automotive Natural™  
Satin Gold  
**A-201D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Metallic Gold  
**A-201S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Real Gold  
**A-203S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Satin Copper  
**A-240D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Satin Russet  
**A-260D-OP**  
Size(μm) 5 - 25



Automotive Natural™  
Super Copper  
**A-244S\*-OP**  
Size(μm) 9 - 40



Automotive Natural™  
Super Russet  
**A-266S\*-OP**  
Size(μm) 9 - 40



# Automotive Natural™

## Metallic Pearlescent Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition				
		(D10-D90)	(D50)		Mica	SnO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Silane
A-201D-OP	Automotive Natural™ Satin Gold	5 - 25	9 - 13	4 - 8	○	○	○	○	○
A-201S*-OP	Automotive Natural™ Metallic Gold	9 - 40	18 - 22	4 - 8	○	○	○	○	○
A-203S*-OP	Automotive Natural™ Real Gold	9 - 40	18 - 22	4 - 8	○	○	○	○	○
A-240D-OP	Automotive Natural™ Satin Copper	5 - 25	9 - 13	4 - 8	○	○	○	○	○
A-260D-OP	Automotive Natural™ Satin Russet	5 - 25	9 - 13	4 - 8	○	○	○	○	○
A-244S*-OP	Automotive Natural™ Super Copper	9 - 40	18 - 22	4 - 8	○	○	○	○	○
A-266S*-OP	Automotive Natural™ Super Russet	9 - 40	18 - 22	4 - 8	○	○	○	○	○

# CQV GLOBAL NETWORK

“Global Supplier of High Quality Effect Pigment Technologies.”



Creation of Quality Value

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