

Featheleve[®]

Effect Pigments



The World Quality Leader in
Effect Pigments Technology





Featheleve[®] Product Info.

- Platy TiO₂
- Glossy effect of TiO₂
- Very slow sedimentation due to light weight
- Smooth feeling and good coverage after application
- More clean shade & More whiteness
- Sunscreen effect : In-vivo, In-vitro tested

High
QUALITY

Various
PRODUCTS

Speedy
DELIVERY

Rational
PRICE

Speedy
FEED-BACK

Particle size distribution

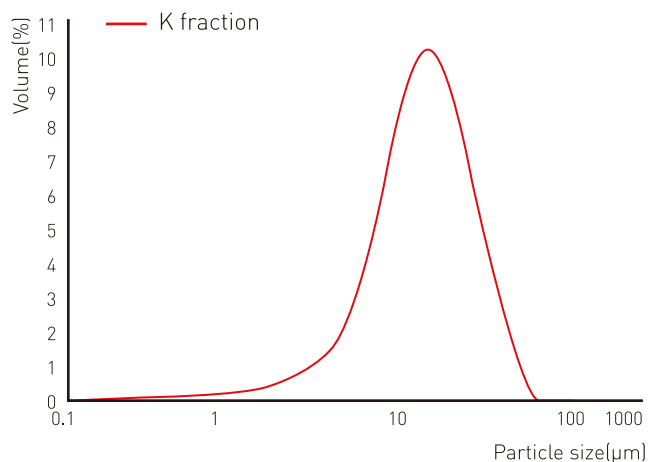


Fig 1. Particle size distribution(PSD) of Featheleve® which has a range of 5-35µm(D10-D90)

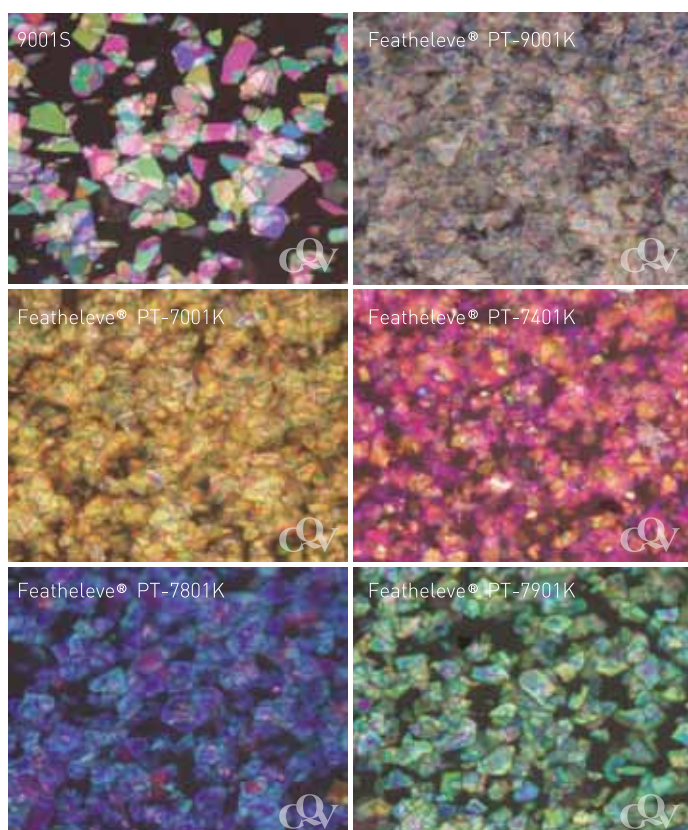
SEM Image



Fig 2. Comparison between SEM images of Featheleve® and normal pearlescent pigments. This unique structure of Featheleve® gives softness on touch and better higing power.

Microscopic Images(500X)

Fig 3. Within the same condision of cocentration(2%), Featheleve® has better coverage of certain area than normal pearlescent pigments. It also means that Featheleve® is very light in weight just like a feather.



The Validation of Sunscreen Effect

Table 1. Comparison of clinical study for the sun protection factor(SPF) of BB cream.

Cosmetic Product	Content of general TiO ₂ (%)	Content of Featheleve® (%)	Result (SPF Value)
Formulation 1	8.4	-	30.1 ± 1.7
Formulation 2	-	8.4	33.7 ± 1.9

Formulation 1: BB cream with TiO₂ generally used as sunscreen agent.

Formulation 2: BB cream with featheleve® PT-9001K.

Test method: SPF test method of cosmetics Europe (ISO 24444)

* Formulation 1 and 2 are containing other organic sunscreen agent.

Featheleve® Effect Pigments

Featheleve® series are effect pigments with new concept.

Featheleve® series have a platy TiO_2 structure and this structure cannot be found in existing effect pigments.

Main component of these products is TiO_2 but these products display the features of effect pigments not pigments. These products have a special color, sparkling effect and feeling by structural features.

Also, these products are very light and can be used effectively in sedimentation considering formulations.

By using these products with special features, you can develop new type cosmetics not existing.

Special Features

- Platy TiO_2
- Glossy effect of TiO_2
- Very slow sedimentation due to light weight
- Smooth feeling and good coverage after application
- More clean shade & More whiteness
- Sunscreen effect : In-vivo, In-vitro tested

Applications

- BB cream & Foundations
- Sunscreen products
- Skin care
- Loose powder & Compact powder
- Color cosmetics
- Bath and body products



Featheleve®

Effect Pigments



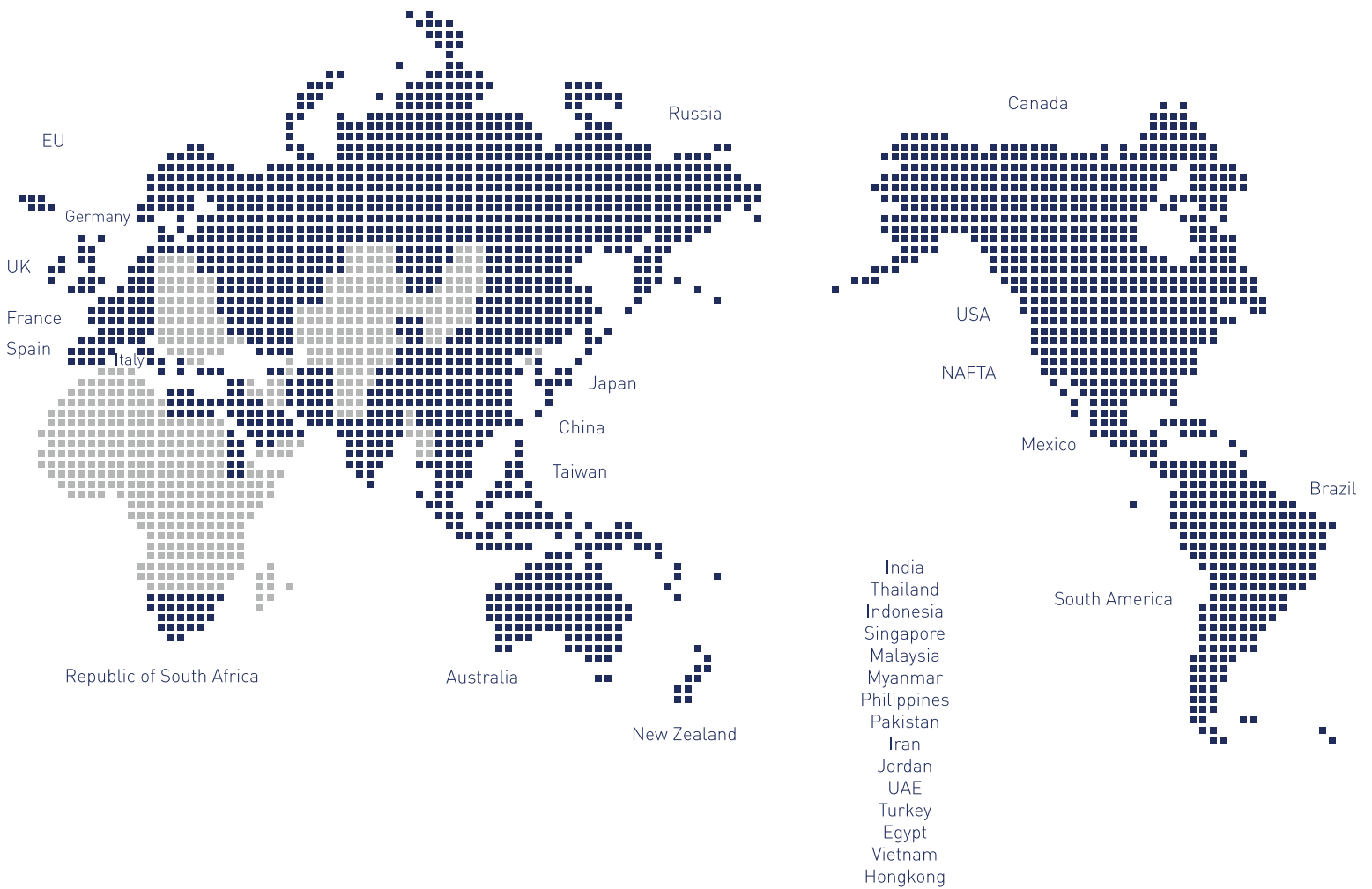
Featheleve®

Effect Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH	Composition		
		(D10-D90)	(D50)	(10% Sol.)	TiO ₂	SnO ₂	SiO ₂
Featheleve® PT-9001K	Featheleve® PT-9001K Real Pearl White	5 - 35	13 - 19	7 - 11	○	○	○
Featheleve® PT-7001K	Featheleve® PT-7001K Real Pearl Gold	5 - 35	10 - 16	7 - 11	○	○	○
Featheleve® PT-7401K	Featheleve® PT-7401K Real Pearl Red	5 - 35	10 - 16	7 - 11	○	○	○
Featheleve® PT-7801K	Featheleve® PT-7801K Real Pearl Blue	5 - 35	10 - 16	7 - 11	○	○	○
Featheleve® PT-7901K	Featheleve® PT-7901K Real Pearl Green	5 - 35	10 - 16	7 - 11	○	○	○

CQV GLOBAL NETWORK

“World Leading Pigments Material Provider ”



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