### Arcopearl™ FEHD series

**Description:**
INCI: Synthetic Fluorphlogopite, Tin Oxide, [+/- CI 77891, CI 77491]
Use level: 1%-65%

**Features:**
A new generation of synthetic mica flakes, these high definition effect pigments utilize a unique patented technology designed to coat synthetic mica in a novel, unconventional way. Unlike conventional layered pigments, Arcopearl™ FEHD uses synthetic mica coated by Iron Oxide and then Titanium Dioxide to create a new layered pearl pigment. This new layering process creates outstanding visual and sparkle effects that offer exceptional brightness, intense chroma and superior sensory benefits unlike traditional pigments.

Particle size: 20-80 μm (Ø ca. 37 μm):
- Arcopearl™ FEHD 400 - Silver
- Arcopearl™ FEHD 410 - Interference Gold
- Arcopearl™ FEHD 420 - Interference Red
- Arcopearl™ FEHD 430 - Interference Violet
- Arcopearl™ FEHD 440 - Interference Blue
- Arcopearl™ FEHD 450 - Interference Green

Particle size: 40-200 μm (Ø ca. 90 μm):
- Arcopearl™ FEHD 500 - Silver
- Arcopearl™ FEHD 510 - Interference Gold
- Arcopearl™ FEHD 520 - Interference Red
- Arcopearl™ FEHD 530 - Interference Violet
- Arcopearl™ FEHD 540 - Interference Blue
- Arcopearl™ FEHD 550 - Interference Green

### Arcopearl™ Gloss serie

**Description:**
INCI: Synthetic Fluorphlogopite
Use level: 1%-65%

**Features:**
Synthetic Mica extender pigments exceptionally designed with unique production process that guarantees low level of heavy metals and Fluorine elution.

- Arcopearl™ 20-Gloss - Particle size: 20 μm
- Arcopearl™ 10-Gloss - Particle size: 10 μm
- Arcopearl™ L8-Gloss - Particle size: 8 μm

### Arcopearl™ Pure series

**Description:**
INCI: Mica, Tin Oxide, [+/- CI 77891, CI 77491]
Use level: 1%-65%

**Features:**
Advancing natural mica based technologies, Arcopearl™ Pure pearlescent pigments are finely coated metallic oxide onto a smooth surfaced natural mica substrate. These effect pigments display intense luster, high chroma and excellent sensory benefits with exceptional value for cost effective formulations.

Particle size: 10-60 μm:
- Arcopearl™ Pure 1060TWR - Wine red
- Arcopearl™ Pure 1060T BGA - Bright gold
- Arcopearl™ Pure 1060T GA - Gold
- Arcopearl™ Pure 1060BR - Interference Blue
- Arcopearl™ Pure 1060GR - Interference Green
- Arcopearl™ Pure 1060RBR - Interference Blush Red
- Arcopearl™ Pure 1060RYR - Interference Yellowish Red
- Arcopearl™ Pure 1060YR - Interference Yellow
- Arcopearl™ Pure 1060SR - Silver

Particle size: 5-25 μm:
- Arcopearl™ Pure 0525SR - Silver

Particle size: <15 μm:
- Arcopearl™ Pure E0015SR - Silver
PIGMENTS

» **Arcopearl™ Sparkle**

**Description:**
INCI: Synthetic Fluorphlogopite, Tin Oxide, CI 77891, [+/-Cl 77491]
Use level: 1%-65%

**Features:**
Engineered to deliver superior whiteness, high chroma, intensity and brightness, the Arcopearl™ Sparkle portfolio consists of smoothly coated synthetic mica pigments that add dramatic visual effects with superior interference colors due to the crisp whiteness of its base and exceptional sensory. They have a guaranteed low level of heavy metal specifications.

**Particle size:**
- **Particle size: 5-30 μm (Ø ca.13 μm)**
  - Arcopearl™ Sparkle 200 - Silver
  - Arcopearl™ Sparkle 210 - Interference Gold
  - Arcopearl™ Sparkle 211 - Gold
  - Arcopearl™ Sparkle 220 - Interference Red
  - Arcopearl™ Sparkle 230 - Interference Violet
  - Arcopearl™ Sparkle 240 - Interference Blue
  - Arcopearl™ Sparkle 250 - Interference Green

- **Particle size: 20-80 μm (Ø ca.37 μm)**
  - Arcopearl™ Sparkle 400 - Silver
  - Arcopearl™ Sparkle 410 - Interference Gold
  - Arcopearl™ Sparkle 411 - Gold
  - Arcopearl™ Sparkle 420 - Interference Red
  - Arcopearl™ Sparkle 430 - Interference Violet
  - Arcopearl™ Sparkle 440 - Interference Blue
  - Arcopearl™ Sparkle 450 - Interference Green

- **Particle size: 5-60 μm (Ø ca.21 μm)**
  - Arcopearl™ Sparkle 300 - Silver
  - Arcopearl™ Sparkle 310 - Interference Gold
  - Arcopearl™ Sparkle 311 - Gold
  - Arcopearl™ Sparkle 320 - Interference Red
  - Arcopearl™ Sparkle 330 - Interference Violet
  - Arcopearl™ Sparkle 340 - Interference Blue
  - Arcopearl™ Sparkle 350 - Interference Green

- **Particle size: 40-200 μm (Ø ca.90 μm)**
  - Arcopearl™ Sparkle 500 - Silver
  - Arcopearl™ Sparkle 510 - Interference Gold
  - Arcopearl™ Sparkle 511 - Gold
  - Arcopearl™ Sparkle 520 - Interference Red
  - Arcopearl™ Sparkle 530 - Interference Violet
  - Arcopearl™ Sparkle 540 - Interference Blue
  - Arcopearl™ Sparkle 550 - Interference Green

» **Aquaspersabil series**

**Description:**
INCI: Sodium C_{14-16} Olefin Sulfonate, [+/- Cl 77491, Cl 77492, Cl 77499, Cl 77891]
Use level: 0.3%-10%

**Features:**
The Aquaspersabil series are surface-treated pigments with long-lasting performance. They provide instantaneous dispersibility in aqueous systems and are both shear- and temperature-resistant.

**Particle size:**
- **Particle size: 0.2-10 μm**
  - Aquaspersabil BkIO - Black
  - Aquaspersabil R TiO2 - White
  - Aquaspersabil RIO - Red
  - Aquaspersabil YIO - Yellow
PIGMENTS

» Bismica series

Description:
INCI: Bismuth Oxychloride, Mica, [+/-CI 75470, CI 77007, CI 77288, CI 77491, CI 77492, CI 77499, CI 77510, CI 77742, CI 77891]

Use level: 1%-50%

Features:
Bismica Pearl Pigments are uniquely bonded combinations of pigments, bismuth oxychloride and mica. These UV-stable pearlescent pigments provide intense color and superior skin adhesion with a subtle satin luster. They avoid process-intensive milling because they are readily blended, dispersed or compressed into cosmetic formulations.

Particle size: 1-150 μm

Bismica Aqua
Bismica Black
Bismica Brown
Bismica Dark Blue
Bismica Dorado
Bismica Green EL
Bismica Light Blue
Bismica Magenta
Bismica Mauve
Bismica Purple
Bismica Red
Bismica Violet
Bismica Yellow

» Bismica MAX series

Description:
INCI: Bismuth Oxychloride, Mica, [+/-CI 75470, CI 77007, CI 77288, CI 77289, CI 77491, CI 77492, CI 77499, CI 77510, CI 77742, CI 77891], Lauroyl Lysine*

Use level: 1%-50%

Features:
The Bismica MAX series contains “high octane” pigment compounds with a high colorant load (~70%) in order to create an intense color impact with easy dispersibility. It is ideal for all color cosmetic applications.

Particle size: 1-150 μm

Bismica MAX Aqua
Bismica MAX Black
Bismica MAX Brown
Bismica MAX Dorado
Bismica MAX Green
Bismica MAX Magenta
Bismica MAX Mauve
Bismica MAX Purple
Bismica MAX Red
Bismica MAX Violet
Bismica MAX White*
Bismica MAX Yellow
## PIGMENTS

### Magicolor-103

**Description:**
- INCI: Titanium Dioxide (CI 77891), Mica, Polyester-1, Silica Dimethyl Silylate, [ +/- CI 77007, CI 77288, CI 77491, CI 77492, CI 77499]

**Features:**
- The Magicolor-103 series consists of pigments encapsulated by polymers and TiO₂ where the original color is hidden by a white capsule wall. The pigment color appears when the capsules are rubbed on the skin. The capsules are lipophilic and are suitable for use in the oil phase of W/O (or W/Si) emulsions or in anhydrous systems.

**Particle size:** 50-60 µm
- Magicolor-103BP - Black
- Magicolor-103G - Green
- Magicolor-103RP - Red
- Magicolor-103UB - Ultramarine
- Magicolor-103V - Violet
- Magicolor-103YP - Yellow

**Use level:** 0.3%-10%

### Magicolor-140

**Description:**
- INCI: Titanium Dioxide (CI 77891), Synthetic Fluorphlogopite, Zein, Silica Dimethyl Silylate, Zea Mays (corn) Starch, Hydrogenated Lecithin, Caprylic/capric Triglyceride, [ +/- CI 77007, CI 77288, CI 77491, CI 77492, CI 77499]

**Features:**
- The Magicolor-140 series consist of pigments encapsulated by vegetal polymers, natural dispersant and TiO₂ where the original color is hidden by a white capsule wall. The pigment color appears when the capsules are rubbed on the skin. The capsules are suitable for use in both O/W and W/O emulsion making them more versatile than the Magicolor-103 series.

**Particle size:** 80-90 µm
- Magicolor-140BP - Black
- Magicolor-140G - Green
- Magicolor-140RP - Red
- Magicolor-140V - Violet
- Magicolor-140YP - Yellow

### Magicolor-140W

**Description:**
- INCI: Titanium Dioxide, Zea Mays (corn) Starch, Hydrogenated Lecithin

**Features:**
- Titandioxide is encapsulated in micro-size hydrogel by natural polymers and natural dispersants.

**Particle size:** 55-65 µm
- Color: White

**Use level:** 0.3%-10%
PIGMENTS

≫ Oleosperse series

Description:
INCI: Dimethicone, (+/- CI 77491, CI 77499, CI 77891)

Use level: 0.3%-10%

Features:
The Oleosperse series are comprised of reactive silicone blends applied to pigment surfaces. The resulting polymers are resistant to separation, extraction, shear forces and temperature. Oleosperse pigments are easily dispersible in oils and silicones, preventing water uptake.

Particle size: >100 nm (no data for Oleosperse TiO2)

Oleosperse BkIO - Black
Oleosperse R TiO2 - White
Oleosperse TiO2 - White
Oleosperse RIO - Red
Oleosperse YIO - Yellow

≫ PEARLFLAKE series

Description:
INCI: Bismuth Oxychloride, Isododecane, Copernicia Cerifera (Carnauba) Wax, Butyrospermum Parkii (Shea) Butter (+/- CI 15850, CI 75470, CI 77007, CI 77288, CI 77289, CI 77491, CI 77492, CI 77499, CI 77510, CI 77742, CI 77891)

Use level: 1%-50%

Features:
A new generation of color cosmetic pearlescent wax pigments with high-impact color, ruch luster and intense brilliance. PearlFlakes can be easily incorporated in-process, mixed or dispersed into formulations.

PEARLFLAKE Aqua
PEARLFLAKE Black
PEARLFLAKE Blue
PEARLFLAKE Bronze
PEARLFLAKE Brown
PEARLFLAKE Dorado
PEARLFLAKE Green
PEARLFLAKE Magenta
PEARLFLAKE Purple
PEARLFLAKE Red
PEARLFLAKE Red 7
PEARLFLAKE White
PEARLFLAKE Yellow
## PIGMENTS

### Pearl series

**Description:**
- INCI: Bismuth Oxychloride
- Use level: 1%-50%

**Features:**
- These Pearl series display excellent adhesion with exceptional compressibility and binding characteristics.
- They produce a unique play of colors together with a pearl luster.

**Average particle size and finishes:**
- Pearl I - 5-50 μm, brilliant finish
- Pearl II - 5-20 μm, matte finish
- Pearl 2600 UVS - 2-10 μm, matte finish
- Pearl Supreme UVS - 10-80 μm, brilliant finish
- Satin B-UVS - 1-20 μm, soft matte finish

### Pearl UCR series

**Description:**
- INCI: Bismuth Oxychloride
- Use level: 1%-50%

**Features:**
- The Pearl UCR grades have the same characteristics as the original pearls with the added benefit of being UV-stable. They do not darken upon exposure to UV light.

**Average particle size and finishes:**
- Pearl 1015 UCR - 20-100 μm, brilliant finish
- Pearl I UCR - 5-50 μm, brilliant finish
- Pearl II UCR - 5-20 μm, matte/satin finish
- Pearl Supreme UCR - 10-80 μm, brilliant finish
- Satin B-UCR - 1-20 μm, matte/satin finish