GEOTECH
SPECIAL EFFECT PIGMENTS

SPECIAL EFFECT PIGMENTS FOR THE COSMETICS INDUSTRY

Special effect pigments for the cosmetics industry

GEOTECH | Enhancing product appearances

Geotech International B.V., founded in 1984, manufactures and distributes special effect pigments. We are a privately owned family business with offices in The Netherlands, France and Turkey. A global sales network serves over 800 customers worldwide with 16 product lines.

Nowadays, the company is managed by the third generation, focusing on innovation and sustainability. GEOTECH's sustainability program has been recognized by EcoVadis for its success, consistently placing us among the top-rated companies they assess. A certified quality management system based on ISO 9001 and GMP standards ensures reliability and excellence.

With over 450 special effect pigments in our portfolio we offer a diverse range of products for the cosmetics industry. An experienced team of specialists is available to provide you with a high level of service and technical support.

GEOTECH's special effect pigments are used globally in various industries to differentiate consumer products by creating attractive and luxurious appearances.

Our Brands

Effect pigments

- Geopearl® PEARLESCENT PIGMENTS
- Geopearl® CRYSTAL PEARLESCENT PIGMENTS
- Geodiamond® PEARLESCENT PIGMENTS
- Geoflake® GLITTERING MICA FLAKES
- Silux® EFFECT PIGMENTS

Holographic pigments

- Galaxy® HOLOGRAPHIC PIGMENTS

Metallic Pigments

- Metalloy® ALUMINIUM PIGMENTS

Functional fillers

- Sunrise® MICA

Carbon black

- Midnight Black® CARBON BLACK

Glitter

- Geoshine® POLYESTER GLITTER
- Geonature® BIODEGRADABLE GLITTER
- Geocrystal® IRIDESCENT GLITTER
- Geospectra® HOLOGRAPHIC GLITTER

Recommended applications

- Nails
- Eye area
- Lip area
- Rinse off
- External

Pearlescent pigments are partially translucent powders formed by depositing titanium dioxide and/or iron oxides onto a specific substrate. They provide fascinating colour and visual effects to cosmetics. The translucent pigments easily reflect light because of their smooth surface. The lustre of light reflected off of the platelets changes depending on the particle size. Smaller particles provide a satin sheen, while coarse ones give sparkling and glittering effects.

GEOTECH's pearlescent pigments are based on responsibly sourced natural mica and synthetic mica.

Geopearl®
PEARLESCENT PIGMENTS

Conventional natural mica pearlescent pigments

Traditional pearlescent pigments based on responsibly sourced natural mica, coated with combinations of titanium dioxide and iron oxides offering visual effects that imitate natural pearls and add elegance to cosmetics.

Recommended applications

Properties and features

Chemical composition: Mica | Titanium Dioxide | Tin Oxide | Iron Oxide
Available in particle sizes ranging from 1 – 15 micron to 50 - 500 micron
A product range which contains over 100 products
High temperature resistant
In compliance with cosmetic regulations
Solvent and water resistant

Geopearl®
CRYSTAL PEARLESCENT PIGMENTS

Premium synthetic mica pearlescent pigments

The second generation of pearlescent pigments is based on synthetic mica, coated with combinations of silica, titanium dioxide and iron oxides. These pigments provide unsurpassed performance in brightness and colour purity varying from white to metallic earth tone effects.

Recommended applications

Properties and features

Chemical composition: Synthetic Fluorphlogopite | Silica | Titanium Dioxide | Tin Oxide | Iron Oxide
Available in particle sizes ranging from 1 – 5 micron to 50 - 1000 micron
A product range which contains over 100 products
High temperature resistant
UV resistant
Solvent and water resistant
Good batch-to-batch consistency
Low heavy metal content
In compliance with cosmetic regulations

Silux®
EFFECT PIGMENTS

Premium Substrate-Free Colour Travel Pigments

Silux® Aurora is a revolutionary uncoated pigment, unlike traditional effect pigments. Composed of thin layers of silica and titanium dioxide, it delivers a vibrant three-stage colour travel effect. With minimal quantity, Silux® Aurora creates exceptional interference and colour play.

Recommended applications

Properties and features

Chemical composition:
Silica | Titanium Dioxide

Available particle sizes:
10 – 75 micron | 40 - 250 micron

Iridescent Effect

UV-Resistant

Temperature Resistant

Solvent and water resistant

Excellent batch-to-batch consistency

In compliance with cosmetic regulations

Geoflake®
GLITTERING MICA FLAKES

Plastic free glitter effects

This innovative product range is specifically developed as a sustainable alternative for traditional polyester based glitter. The basic structure of this product line is a coarse, thin platelet of synthetic mica, coated with combinations of titanium dioxide, iron oxide or colourants.

Recommended applications

Properties and features

Chemical composition:
Synthetic Fluorphlogopite | Titanium Dioxide | Tin Oxide | Iron Oxide | Pigments

Available particle sizes:
200 – 500 micron | 500 - 1000 micron

Available colours:
Silver | White | Red Gold | Royal Blue | Salmon | Lavender | Green | Rainbow

Plastic free glitter effect

Smooth skin and nail feel

Controlled unique narrow particle size distribution

In compliance with cosmetic regulations

Geodiamond®
PEARLESCENT PIGMENTS

Sophisticated sparkling glass flakes

A premium line of pearlescent pigments based on borosilicate glass flakes, coated with combinations of titanium dioxide, iron oxides or silver Ag. Thanks to a variety of coarse particle sizes, they are an extraordinary option for exclusive glittering effects.

The exclusive Geodiamond Silver Ag pigments produce a brilliant mirror like sparkling reflection which cannot be achieved by any other technology.

Recommended applications

Properties and features

Chemical composition:
Calcium Sodium Borosilicate | Titanium Dioxide | Tin Oxide | Iron Oxide | Silver Ag

Available in particle sizes ranging from 10 – 60 micron to 100 - 500 micron

Low heavy metal content

High temperature resistance

In compliance with cosmetic regulations

Solvent and water resistant

Good batch-to-batch consistency

Glitter are brilliantly coloured particles of precision cut, polyester or cellulose films. The glitter portfolio for cosmetics contains 5 product lines. A wide range of colours and effects is available in a variety of particle sizes from 100 micron to 400 micron. These high reflective particles are used in a wide variety of products.

Geoshine®
POLYESTER GLITTER

Premium brilliant particles

A premium range of precision cut polyester particles offering high brilliance and fabulous reflection of light. The versatility, quality and durability of Geoshine® allows it to be used in a wide variety of cosmetics.

Recommended applications

Properties and features

Chemical composition: Polyethylene Terephthalate | Polyurethane 11 | Aluminium | Pigment
Available in particle sizes ranging from 100 micron to 400 micron
Particle thickness: 12 micron | 24 micron
Product range which contains 36 colours
Temperature resistant up to 180º C
UV resistant
Solvent and water resistant

Geonature®
BIODEGRADABLE GLITTER

Biodegradable brilliant particles

An environmentally friendly product line of precision-cut particles, crafted from a cellulose film derived from wood pulp. This glitter range is known for its high brilliance and great reflection, contributing to a stunning effect while aligning with eco-conscious values. Geonature® biodegradable glitter is certified according to OECD Guideline 301F.

Recommended applications

Properties and features

Chemical composition: Microcrystalline cellulose | Glycerine | Acrylates Copolymer | Pigment
Available in particle sizes: 100 micron | 200 micron
Biodegradable particles
Available colours: Bright Silver | Malibu Gold | Red | Jade | Blue | Black | Lilac | Fuchsia | Sand | Holo Silver
Traditional glitter effect
In compliance with cosmetic regulations

Iridescent and holographic glitter

Geocrystal® IRIDESCENT GLITTER

Premium brilliant iridescent particles

Traditionally used in a wide variety of cosmetics applications these precision-cut iridescent glitter particles refract light in the colours of the rainbow.

The colour of Geocrystal® glitter is obtained by interference, a phenomenon that occurs when visible light passes through thin layers with different refractive indices. Because of the transparency of Geocrystal® glitter the particles provide an effect which changes with each base colour it is applied on.

Recommended applications

Properties and features

Chemical composition: Polyethylene Terephthalate | Acrylates Copolymer
Available in particle sizes ranging from 100 micron to 400 micron
Particle thickness: 30 micron
UV resistant
Water and solvent resistant

Geospectra® HOLOGRAPHIC GLITTER

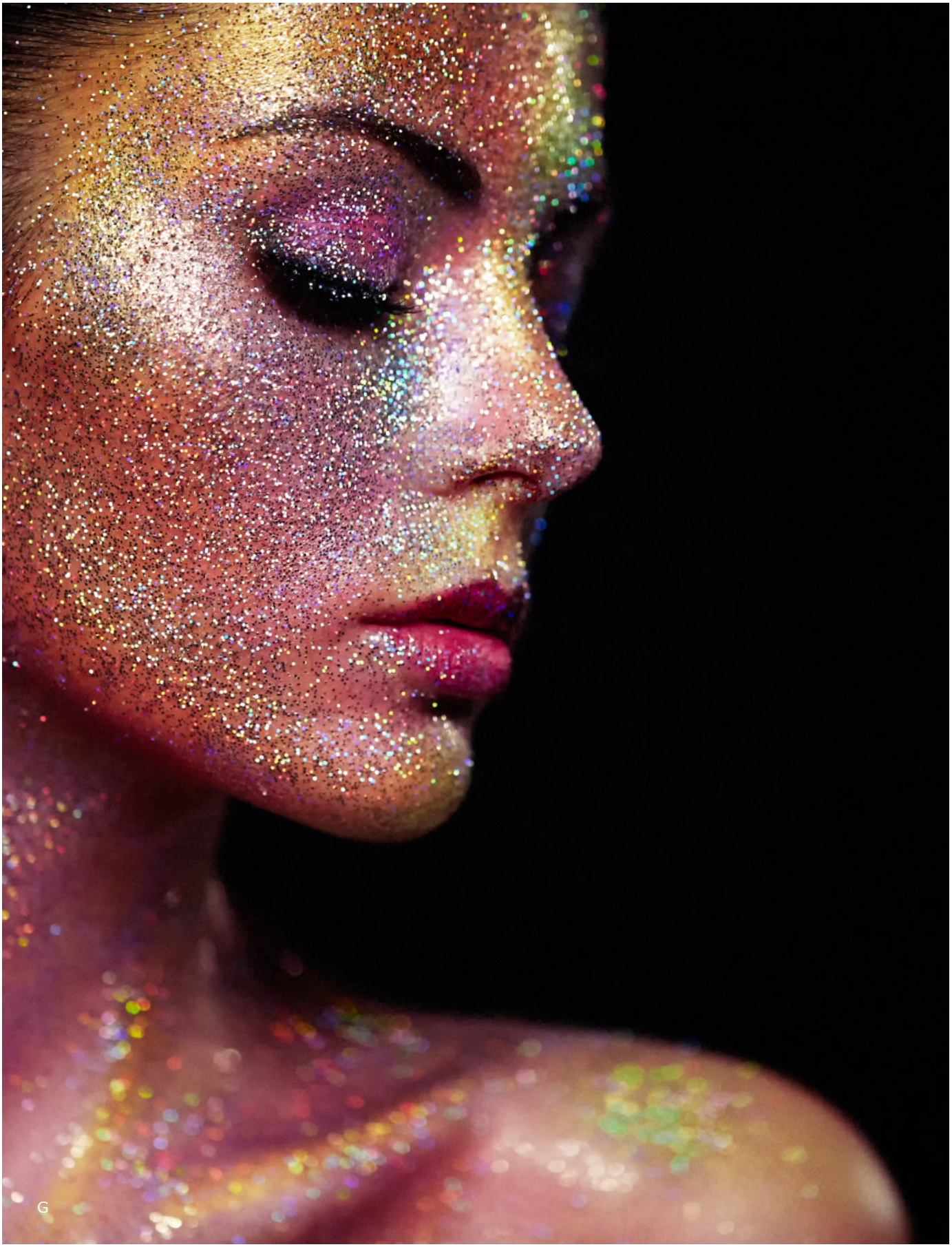
Premium brilliant holographic particles

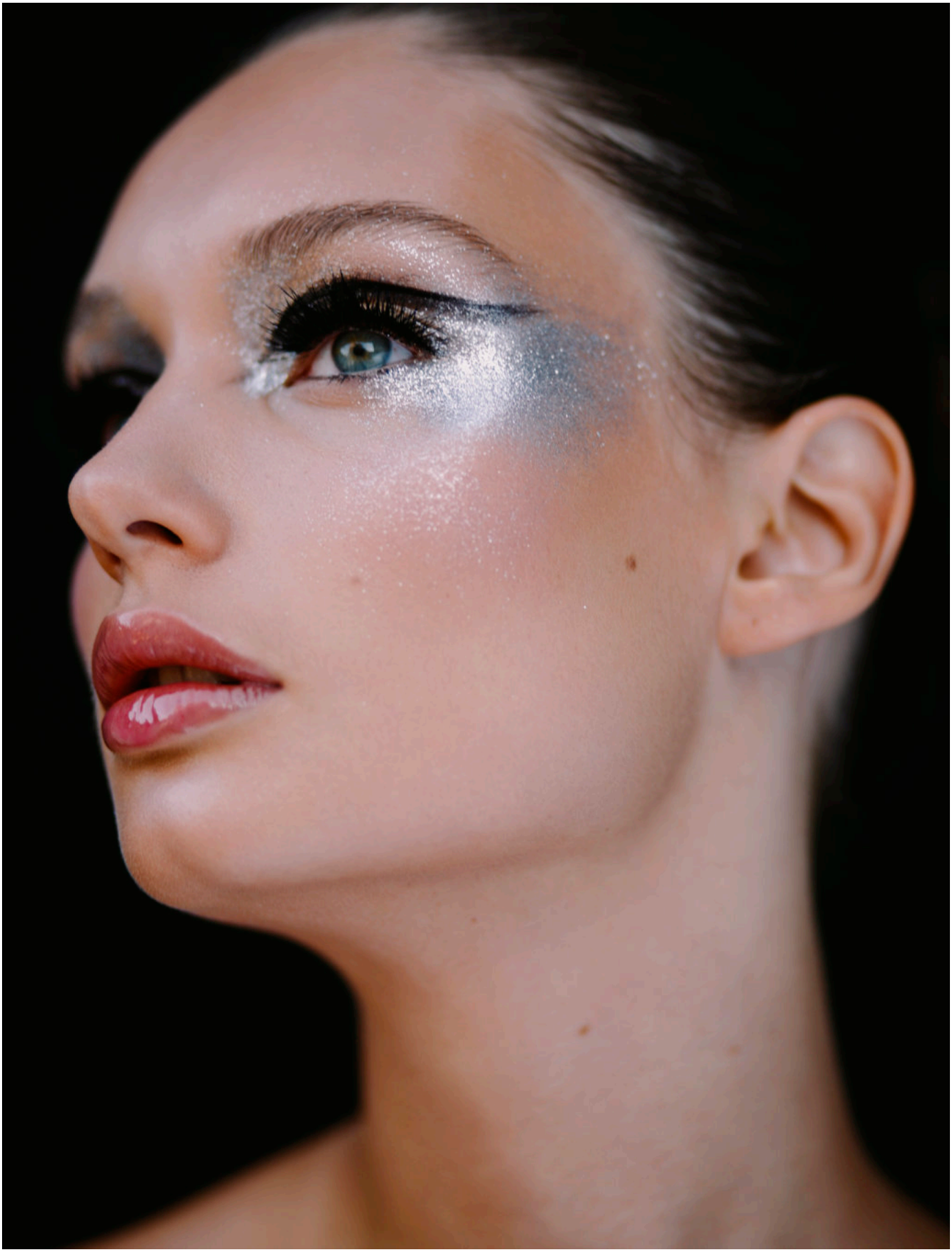
A polyester based glitter range which offers a multi-colour glittering appearance. The base film for these particles is embossed prior to metallizing, providing a unique holographic effect without the presence of any colour pigment. The versatility, quality and durability of Geospectra® allows it to be used in a wide variety of cosmetics.

Recommended applications

Properties and features

Chemical composition: Polyethylene Terephthalate | Polyurethane 11 | Aluminium | Pigment
Available in particle sizes ranging from 100 micron to 400 micron
Particle thickness: 12 micron | 24 micron | 48 micron
Temperature resistant up to 180º C
UV resistant
Solvent and water resistant





Metalloy®

ALUMINIUM PIGMENTS

High quality brilliant metallic particles

High quality aluminium particles offering silver metallic effect. The silica coated aluminium powders are innovative aluminium pigments especially developed for application in colour cosmetics.

Recommended applications

Properties and features

Chemical composition: Aluminium | Silica
Particle sizes: 30 - 60 micron | 50 - 80 micron | 50 - 150 micron
Suitable for nitrocellulose and waxed based formulations
High coverage

Galaxy®

HOLOGRAPHIC PIGMENTS

Ultra polychromatic reflections

This exclusive pigment provides ultra-polychromatic glittering effects for high-end cosmetic products. Thanks to a 3 micron particle thickness Galaxy® Hologram Silver M offers unique styling possibilities to enhance cosmetics. It can be incorporated into thin layers and provides sophisticated holographic effects in low concentrations.

Recommended applications

Properties and features

Chemical composition: Acrylates Copolymer | Aluminium
Particle size: 10 - 80 | 100 - 800 | 30 - 150 micron
In compliance with cosmetic regulations
UV resistant
Water and solvent resistant

Midnight Black®

CARBON BLACK

D&C Black 2 pigments and dispersions

Midnight Black®, D&C Black 2, is an exclusive, high purity carbon black pigment produced by an oil furnace process in the European Union.

FDA certified as D&C Black 2 it provides a deep, blue black shade and it is approved by major manufacturers.

Recommended applications

Properties and features

Chemical composition: Carbon Black
Batch to batch consistency
Inert pigment
Ready to use dispersions
In compliance with cosmetic regulations
UV and solvent resistant
High temperature resistant

Sunrise®

MICA

Natural and synthetic mica functional fillers

Sunrise® mica is the perfect choice for cosmetics. It creates buildable coverage without completely covering the skin. In colour cosmetics Sunrise® mica is used to give balance and consistency to pressed powders. Mica gives a smooth texture and adds a bit of shine to the product surface.

Recommended applications

Properties and features

Chemical composition: Natural mica or synthetic fluorphlogophite
Batch to batch consistency
Good skin adhesion
Excellent lubricity
Low abrasiveness
High UV stability
Resistant to heat, weather and chemicals

Formulations

Visit **www.geotech.nl/inspiration** to explore a variety of formulations developed by our cosmetic chemists using our special effect pigments. Each formulation undergoes rigorous testing to ensure exceptional performance.

If you have a specific formulation in mind, we have a large database of formulations available to our clients, let us know what you are looking for. We are ready to help you bring your vision to life.

Explore our complete portfolio for the cosmetics industry at www.geotech.nl

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