



**SPECIAL EFFECT PIGMENTS
FOR THE COATINGS AND
PAINTS 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 coatings and paints 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.



ecovadis



Our Brands

Effect pigments



Glitter



Holographic pigments



Recommended applications



Aerosols



Cast flooring



Spray coating



Powder coating



Decorative paints



Screen printing



Arts and crafts

Pearlescent pigments



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 coatings & paints. 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 natural mica, synthetic mica or borosilicate flakes.



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 coatings and paints.

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

UV resistant

Solvent and water resistant



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 Fluorophlogopite | 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

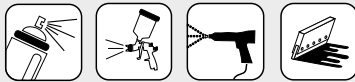
Effect pigments



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



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 Fluorophlogopite | Titanium Dioxide |
Tin Oxide | Iron Oxide

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

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

Plastic free glitter effect



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 interesting option when looking for extraordinary, 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

Excellent transparency

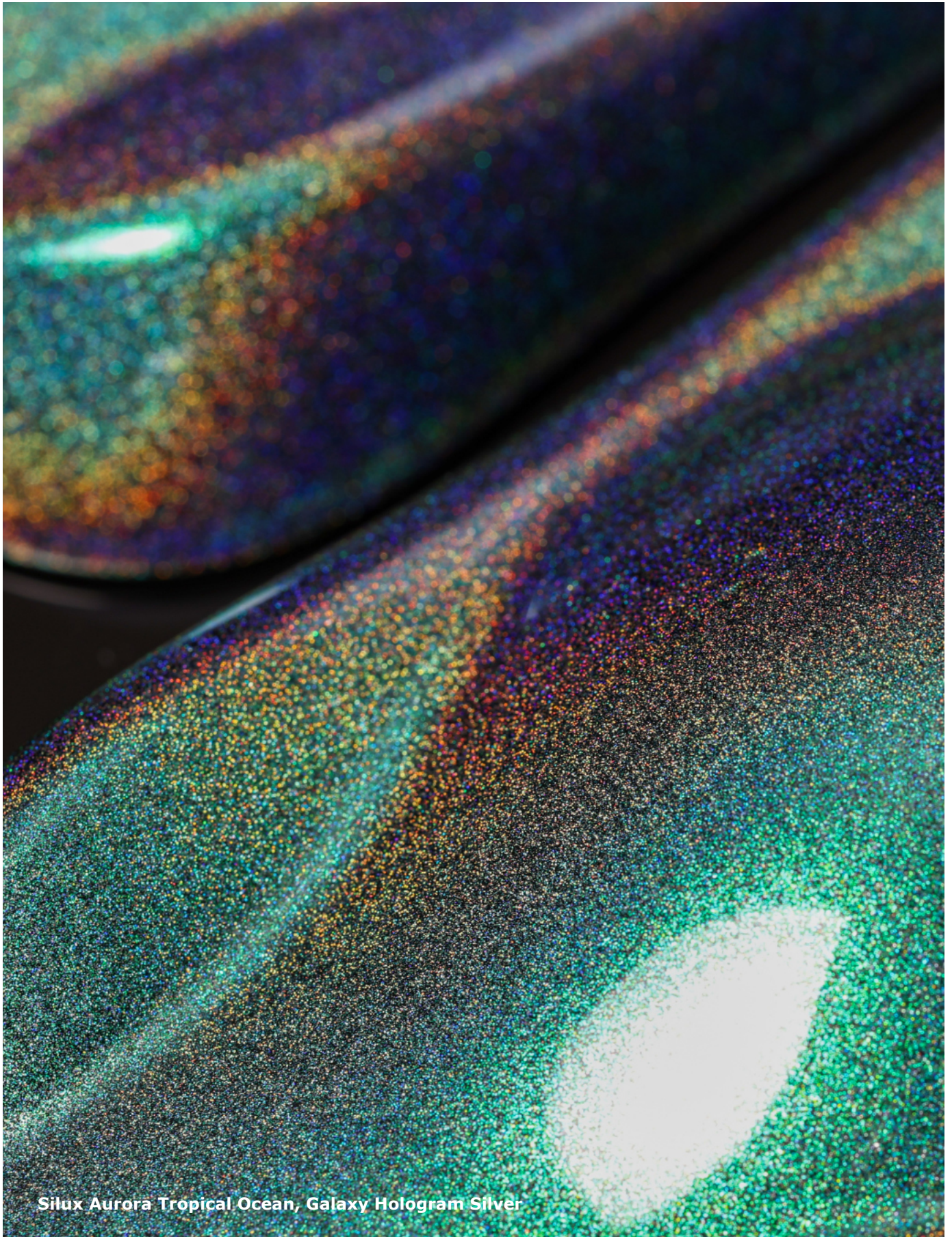
High temperature resistance

UV resistant

Solvent and water resistant

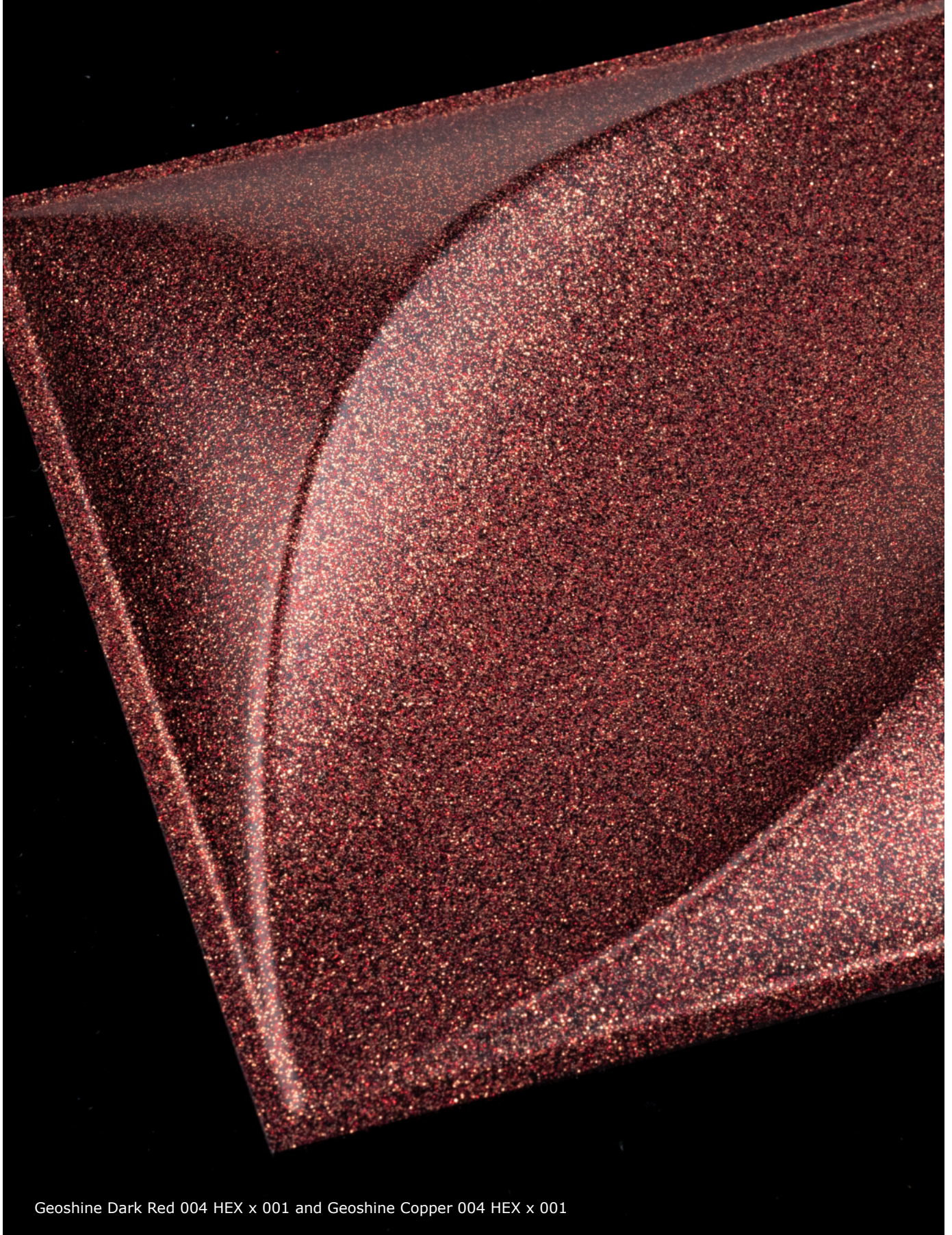
Good batch-to-batch consistency





Silux Aurora Tropical Ocean, Galaxy Hologram Silver

Glitter



Geoshine Dark Red 004 HEX x 001 and Geoshine Copper 004 HEX x 001



Glitter are brilliantly coloured particles of precision cut, polyester and cellulose foils. The glitter portfolio for coatings & paints 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, packaging and all kind of decorations to differentiate consumer products.



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 coatings & paints.

Recommended applications



Properties and features

Chemical composition:
 Polyethylene Terephthalate | Polyurethane 33 | Aluminium powder | 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 180° C

UV resistant

Solvent and water resistant



Conventional brilliant particles

A range of cost-efficient polyester particles specifically designed for decorations and the DIY market. Geoglit® is known for its high brilliance and reflection.

Recommended applications



Properties and features

Chemical composition:
 Polyethylene Terephthalate | Isobutylphenoxy Epoxy Resin | Aluminium powder | Pigment

Available in particle sizes ranging from 100 micron to 400 micron

Particle thickness: 24 micron | 38 micron

Product range which contains 25 colours

Water resistant



EU-compliant biodegradable particles

Next-generation glitter fully compliant with EU Regulation (EU) 2023/2055 on intentionally added microplastics. Crafted from cellulose derived from responsibly managed forests, it avoids restricted synthetic polymers. Its proven biodegradability (OECD 301F) ensures zero environmental impact without compromising on brilliance and reflection.

Recommended applications



Properties and features

Chemical composition:
 Microcrystalline cellulose | Aluminium | Pigment

Available in particle sizes:
 200 micron | 400 micron

Particle thickness: 38 micron

Available colours:
 Silver | Gold | Red | Green | Blue | Pink | Purple | Black | Lavender | Fuchsia | Garnet | Holo Silver | Copper

Traditional glitter effect

Iridescent and holographic glitter



Premium brilliant iridescent particles

Traditionally used in a wide variety of coatings and paints 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 indexes. Because of the transparency of Geocrystal® glitter the particles provide an effect which changes with each back ground 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

Product range Geocrystal SR is specific for solvent and cosolvent based formulation



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 coatings & paints.

Recommended applications



Properties and features

Chemical composition:
Polyethylene Terephthalate | Polyurethane 33 | Aluminium Powder | Pigment

Available in particle sizes ranging from 100 micron to 400 micron

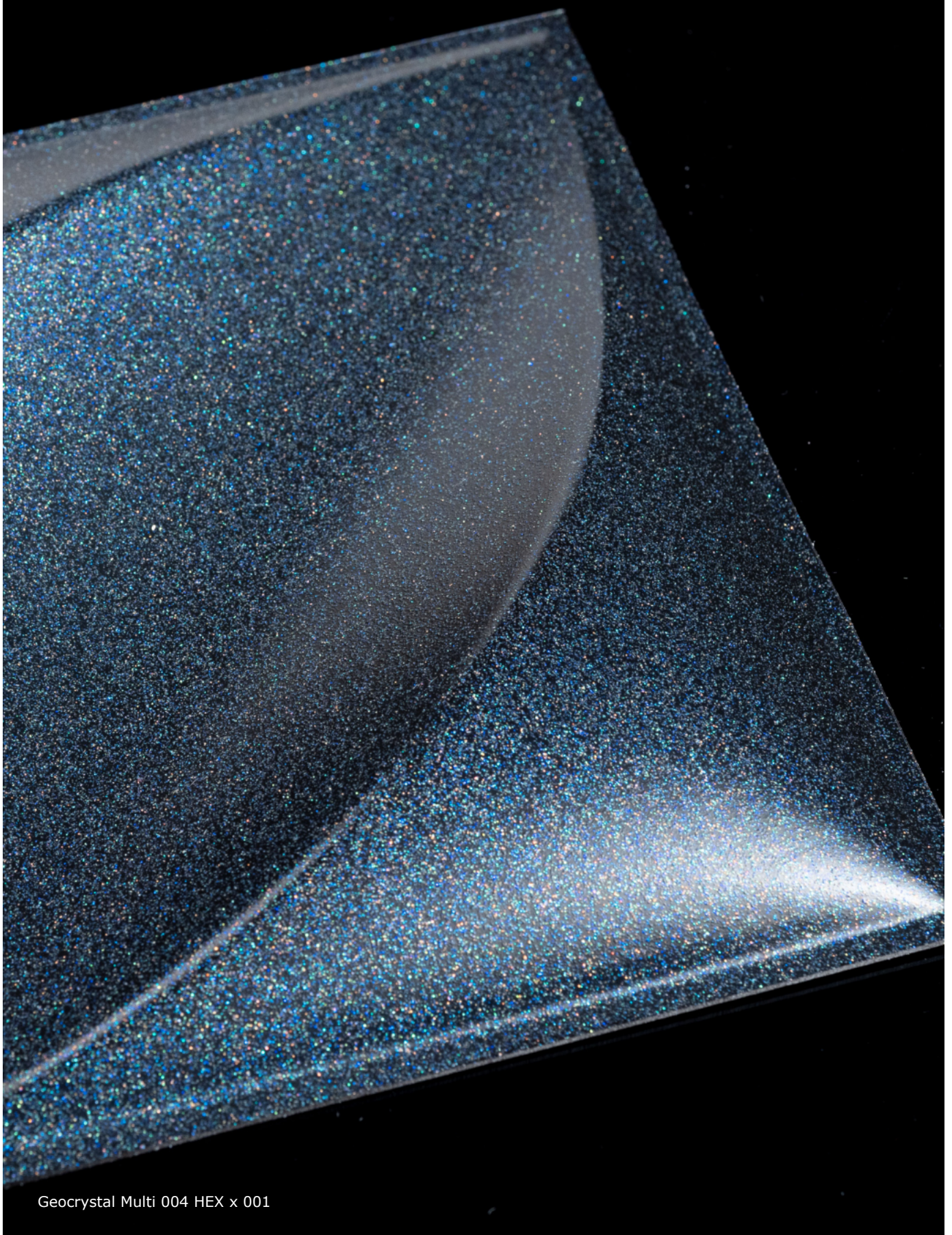
Particle thickness:
12 micron | 24 micron | 48 micron

Temperature resistant up to 180° C

UV resistant

Solvent and water resistant





Geocrystal Multi 004 HEX x 001

Holographic pigments

Holographic pigments are special effect pigments which exhibit exclusive glittering and polychromatic light reflection when viewed under directional lighting.



Ultra polychromatic reflections

These pigments provide ultra-polychromatic glittering effects for high-end coating applications. Thanks to a 3 micron particle thickness Galaxy® Hologram Silver offers unique styling possibilities to enhance product appearances. It can be incorporated into thin coating layers and provides sophisticated holographic effects in low concentrations. Additionally this holographic pigment can be used as an alternative for traditional polyester based holographic glitter.

Properties and features

Chemical composition:

Acrylates Copolymer | Aluminium powder

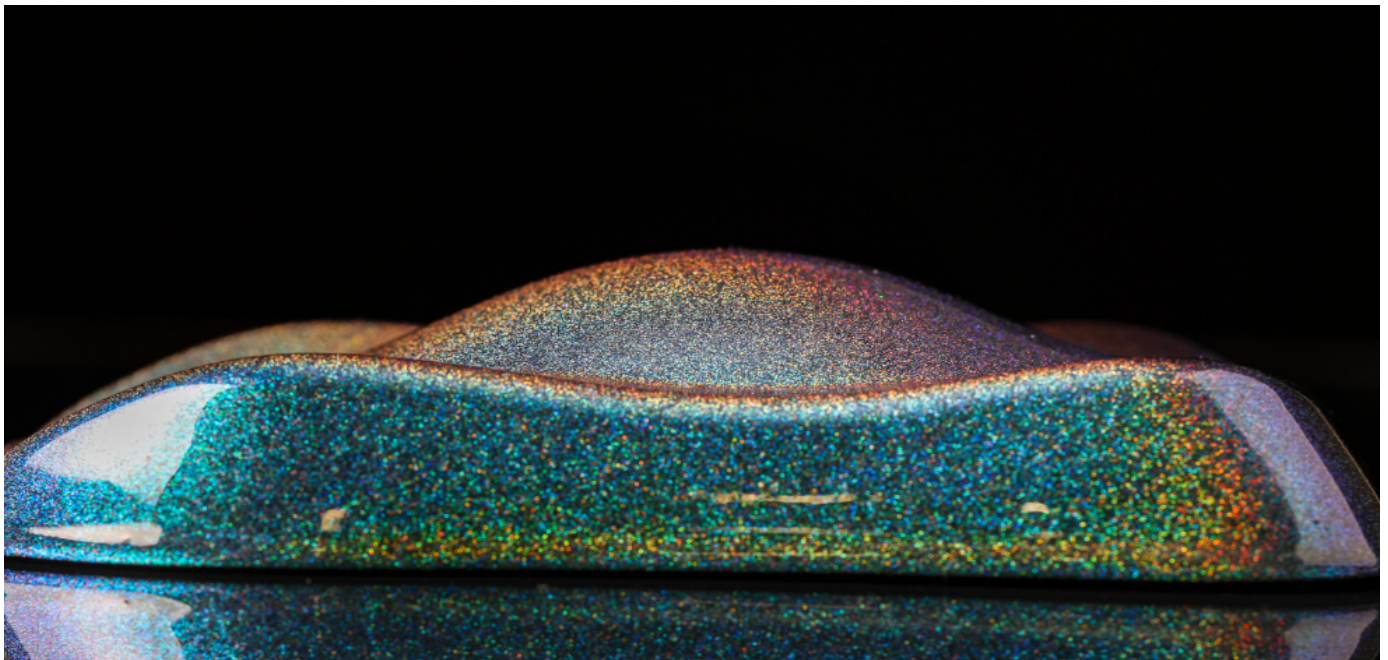
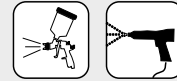
Particle size: 10 - 80 | 100 - 800 | 30 - 150 micron

Particle thickness: 3 micron

UV resistant

Water and solvent resistant

Recommended applications



Explore our complete portfolio for the coatings and paints industry at www.geotech.nl



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