



GEOTECH

SPECIAL EFFECT PIGMENTS



Geoparl[®]

PEARLESCENT PIGMENTS



Geoparl® C pearlescent pigments create an infinite range of visual effects that capture your eyes and give unrivalled elegance to cosmetic products. The extensive portfolio contains over 100 natural mica based pearlescent pigments which provide luxury to colour cosmetics and personal care products.

The characteristic shimmer of Geoparl® C has been designed to match the unique lustre of natural pearls. The basic structure is a platelet of mica which is coated with a metal oxide. We offer titanium dioxide, iron oxide and colour coated pearlescent pigments.

Resulting from reflected, refracted and transmitted light patterns developed at the multiple interfaces between the layers, Geoparl® C pearlescent pigments provide unsurpassed performance in brightness and colour play.

The product line includes the following types:

- Silver/white mica based pearlescent pigments
- Interference mica based pearlescent pigments
- Golden mica based pearlescent pigments
- Metallic mica based pearlescent pigments
- Coloured mica based pearlescent pigments

The Geoparl® C range is Halal certified and complies with vegan, kosher and animal-free standards.

Product benefits

- Batch to batch consistency
- Wide product range > 100 products
- Stability in cosmetic formulations
- In compliance with cosmetic regulations
- Globally used by major cosmetic brands

Recommended applications



- Nails



- Eye area



- Lip area



- External



- Rinse off



Order details

Available packaging

- 1 kg Nett weight
- 5 kg Nett weight
- 25 kg Nett weight

Shelf life

- 10 years original packaging stored in a closed box under dry conditions

Product data

- Product data sheets and additional technical product information are available on <https://geotech.nl/>

Geoparl® Interference range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1023400	Geoparl C Silk Gold	5 - 25	Mica Titanium Dioxide Tin Oxide
1023510	Geoparl C Silk Red	5 - 25	Mica Titanium Dioxide Tin Oxide
1023560	Geoparl C Silk Violet	5 - 25	Mica Titanium Dioxide Tin Oxide
1023610	Geoparl C Silk Blue	5 - 25	Mica Titanium Dioxide Tin Oxide
1023660	Geoparl C Silk Green	5 - 25	Mica Titanium Dioxide Tin Oxide
1023410	Geoparl C Gold	10 - 60	Mica Titanium Dioxide Tin Oxide
1023470	Geoparl C Orange	10 - 60	Mica Titanium Dioxide Tin Oxide
1023520	Geoparl C Red	10 - 60	Mica Titanium Dioxide Tin Oxide
1023710	Geoparl C Fuchsia	10 - 60	Mica Titanium Dioxide Tin Oxide
1023570	Geoparl C Violet	10 - 60	Mica Titanium Dioxide Tin Oxide
1023620	Geoparl C Blue	10 - 60	Mica Titanium Dioxide Tin Oxide
1023670	Geoparl C Green	10 - 60	Mica Titanium Dioxide Tin Oxide
1023420	Geoparl C Bright Gold	10 - 100	Mica Titanium Dioxide Tin Oxide
1023530	Geoparl C Bright Red	10 - 100	Mica Titanium Dioxide Tin Oxide
1023580	Geoparl C Bright Violet	10 - 100	Mica Titanium Dioxide Tin Oxide
1023630	Geoparl C Bright Blue	10 - 100	Mica Titanium Dioxide Tin Oxide
1023680	Geoparl C Bright Green	10 - 100	Mica Titanium Dioxide Tin Oxide

PRODUCT RANGE



Geoparl® Coloured range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1053840	Geoparl C Jade	10 - 60	Mica Titanium Dioxide CI 77510 CI 77491 Tin Oxide
1053850	Geoparl C Tan Opal	10 - 60	Mica Titanium Dioxide CI 77491
1053880	Geoparl C Malachite	10 - 60	Mica Titanium Dioxide CI 77491 CI 77510
1068400	Geoparl C Intense Tangerine Red	10 - 60	Mica Titanium Dioxide CI 16035 Tin Oxide
1068410	Geoparl C Intense Tropical Red	10 - 60	Mica CI 77891 CI 16035 Tin Oxide
1068420	Geoparl C Intense Passion Pink	10 - 60	Mica Titanium Dioxide CI 45410 Tin Oxide
1068430	Geoparl C Intense Caribbean Yellow	10 - 60	Mica Titanium Dioxide CI 19140 Tin Oxide
1068440	Geoparl C Intense Ocean Blue	10 - 60	Mica Titanium Dioxide CI 42090 Tin Oxide
1068450	Geoparl C Intense Twilight Violet	10 - 60	Mica Titanium Dioxide CI 77499 Tin Oxide
1069100	Geoparl C Black	10 - 60	Mica CI 77499
1053770	Geoparl C Sapphire	10 - 60	Mica Titanium Dioxide CI 77510
1053760	Geoparl C Emerald	10 - 60	Mica Titanium Dioxide CI 77491 CI 77510
1053790	Geoparl C Hematite	10 - 60	Mica Titanium Dioxide CI 77499
1053890	Geoparl C Silk Beige	5 - 25	Mica Titanium Dioxide CI 77491
1053900	Geoparl C Beige	10 - 60	Mica Titanium Dioxide CI 77491
1053910	Geoparl C Bright Beige	10 - 100	Mica Titanium Dioxide CI 77491

PRODUCT RANGE



PRODUCT RANGE

Geoparl® Gold range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1033100	Geoparl C Silk Sun Gold	5 - 25	Mica Titanium Dioxide CI 77491
1033110	Geoparl C Silk Red Gold	5 - 25	Mica Titanium Dioxide CI 77491
1033130	Geoparl C Lemon Gold	10 - 60	Mica Titanium Dioxide CI 77491
1033200	Geoparl C Precious Gold	10 - 60	Mica Titanium Dioxide CI 77491
1033150	Geoparl C Red Gold	10 - 60	Mica Titanium Dioxide CI 77491
1033170	Geoparl C Sun Gold	10 - 60	Mica Titanium Dioxide CI 77491
1033270	Geoparl C Super Red Gold	10 - 60	Mica Titanium Dioxide CI 77491 Tin Oxide
1033121	Geoparl C Bright Yellow Gold	10 - 100	Mica Titanium Dioxide CI 77491
1033133	Geoparl C Sparkling Lemon Gold	20 - 150	Mica Titanium Dioxide CI 77491
1033135	Geoparl C Sparkling Deep Gold	20 - 150	Mica Titanium Dioxide CI 77491

Geoparl® Silver/White range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1013000	Geoparl C Soft Silver	1 - 15	Mica Titanium Dioxide
1013010	Geoparl C Silk Silver	5 - 25	Mica Titanium Dioxide
1013020	Geoparl C Silver	10 - 60	Mica Titanium Dioxide
1013040	Geoparl C Bright Silver	15 - 70	Mica Titanium Dioxide
1013050	Geoparl C Sparkling Silver	20 - 150	Mica Titanium Dioxide
1013060	Geoparl C Glittering Silver	20 - 250	Mica Titanium Dioxide
1013055	Geoparl C Twinkling Silver	50 - 500	Mica Titanium Dioxide

PRODUCT RANGE

Geoparl® Metallic range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1043300	Geoparl C Silk Bronze	5 - 25	Mica CI 77491
1043330	Geoparl C Silk Copper	5 - 25	Mica CI 77491
1043360	Geoparl C Silk Russet	5 - 25	Mica CI 77491
1043310	Geoparl C Bronze	10 - 60	Mica CI 77491
1043340	Geoparl C Copper	10 - 60	Mica CI 77491
1043370	Geoparl C Russet	10 - 60	Mica CI 77491
1043390	Geoparl C Rufous	10 - 60	Mica CI 77491 Silica
1147380	Geoparl C Mauve	10 - 60	Mica CI 77491
1043320	Geoparl C Bright Bronze	10 - 100	Mica CI 77491
1043350	Geoparl C Bright Copper	10 - 100	Mica CI 77491
1043380	Geoparl C Bright Russet	10 - 100	Mica CI 77491

Geoparl® Colour Travel range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1068200	Geoparl C CT Red to Gold	10 - 60	Mica CI 77491 Silica
1068300	Geoparl C CT Fuchsia to Gold	10 - 60	Mica CI 77491 Silica
1068150	Geoparl C CT Violet to Orange	10 - 60	Mica CI 77491 Silica
1068250	Geoparl C CT Blue to Red	10 - 60	Mica CI 77491 Silica
1068100	Geoparl C CT Green to Red	10 - 60	Mica CI 77491 Silica



GENERAL FORMULATION DO'S AND DON'TS

Water- or solvent based formulations

Geoparl® C special effect pigment are suitable for water and solvent based formulations.

Grinding

Geoparl® C special effect pigments disperse well without grinding. They can be added to the powder system while stirring after milling of the organic / inorganic pigments and before the binder is added.

UV stability

Geoparl® C special effect pigments with cosmetic colourants can be sensitive to UV light.

Temperature resistance

Geoparl® C pearlescent pigments are high temperature resistant.

Storage

Opened bags should be stored in closed boxes under dry conditions to avoid the influence of moisture.

Concentration

Finished product	Recommended level of use
Hair styling gel	0,01 - 0,1 %
Hair colouring gel	3 - 5 %
Shower gel	0,01 - 0,1 %
Eye shadow gel	15 - 20 %
Skin gel	0,05 - 0,1 %
Soaps	0,3 - 4,0 %
Pressed powder	30 - 70 %
Loose powder	Up to 100 %
Blusher	1 - 5 %
Face/body powder	1- 5 %
Lipstick	12 - 20 %
Lip balm	3 - 5 %
Lip gloss	3 - 5 %
Lip lacquer	10 - 15 %
Body lotion	1 - 3 %
Shampoo	0,1 - 1 %
Nail Polish	1 - 5 %

FORMULATION GUIDELINE | LIQUID EYELINER

Product: **Liquid Eyeliner**
Code: **GL-190502**
Special effect pigment: **Geoparl C Black | Geoparl C Crystal Scattering Rainbow | Geoparl C Crystal Scattering Sun Gold**

Product name	INCI name	%WT.	Supplier
Phase A			
Water	Water	65.20	RT Vanderbilt Minerals, LLC
Veegum K Granules	Hydrated Magnesium Aluminium Silicate Mineral	1.00	
Phase B			
Triethanolamine	Triethanolamine	1.40	Geotech International B.V.
Propylene Glycol	Propylene Glycol	8.00	
Phase C			
Ketrol Xanthan Gum	Xanthan Gum	0.30	CP Kelco
Phase D			
Geoparl C Black	Mica CI 77499	4.00	Geotech International B.V.
Geoparl C Crystal Scattering Rainbow	Synthetic Fluorphlogopite Titanium Dioxide Tin Oxide	12.00	Geotech International B.V.
Geoparl C Crystal scattering Sun Gold	Synthetic Fluorphlogopite Titanium Dioxide CI 77491	4.00	Geotech International B.V.
Phase E			
Stearic Acid	Stearic Acid	2.80	Geotech International B.V.
Glyceryl Stearate	Glyceryl stearate	0.80	
Oleyl Alcohol	Oleyl Alcohol	0.50	

Procedure

1. Disperse the Magnesium Aluminium Silicate into water using high-shear mixing until smooth;
2. Add phase B to phase A and mix until homogeneous;
3. Add phase C to phase A+B and mix until homogeneous;
4. Add phase D and mix until homogeneous;
5. Heat phase ABCD to 75°C ± 5°C;
6. Premix phase E in separate vessel and heat to 75°C ± 5°C;
7. Add phase E to phase ABCD and mix until homogeneous;
8. Cool to 35°C ± 5°C;
9. Pour into eyeliner container



APPLICATION LABORATORY

Cosmetics offer a powerful means of self-expression, building confidence, and promoting self-care.

At GEOTECH, we continuously innovate by exploring new effects and formulations to meet these demands.

Located in Haarlem, The Netherlands, our in-house cosmetics application laboratory is where we develop formulations and colour concepts using our special effect pigments. This dedicated facility complements our existing laboratory for Quality Control and Product Development.

The activities of the cosmetic application laboratory includes:

- Developing and testing of new formulations
- Creating colour concepts
- Providing technical training on how to formulate with our pigments
- Colour and effect matching

Our cosmetic chemists provide technical support from this facility, enabling clients to fully utilize our products. For an overview of product formulations and colour concepts developed by our team visit www.geotech.nl/formulations



ABOUT US

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.



ecovadis



Geotech International B.V.
info@geotech.nl
+31 (0) 23 531 75 53
www.geotech.nl

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

