



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

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



PRODUCT RANGE

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



PRODUCT RANGE

Geoparl® Coloured range

Art. Nr.	Product Name	Particle size (µm)	INCI Name
1053820	Geoparl C Amethyst	10 - 60	Mica Titanium Dioxide CI 77510 CI 75470
1053825	Geoparl C Winchite	10 - 60	Mica Titanium Dioxide CI 77510 CI 75470 Tin Oxide
1053830	Geoparl C Obsidian	10 - 60	Mica Titanium Dioxide CI 77510 CI 75470 CI 77491
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
1053860	Geoparl C Garnet	10 - 60	Mica Titanium Dioxide CI 77491 CI 75470
1053870	Geoparl C Coral	10 - 60	Mica Titanium Dioxide CI 77491 CI 75470
1053880	Geoparl C Malachite	10 - 60	Mica Titanium Dioxide CI 77491 CI 77510
1053800	Geoparl C Bright Morganite	10 - 1000	Mica Titanium Dioxide CI 75470
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
1053780	Geoparl C Ruby	10 - 60	Mica Titanium Dioxide CI 75470
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

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



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
1053890	Geoparl C Silk Beige	5 - 25	Mica Titanium Dioxide 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
1053900	Geoparl C Beige	10 - 60	Mica Titanium Dioxide 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
1053910	Geoparl C Bright Beige	10 - 100	Mica Titanium Dioxide 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

FORMULATION GUIDELINES



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	
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	
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



FORMULATION GUIDELINE | PRESSED POWDER

Product: **Pressed Powder**
 Code: **GL-200910**
 Special effect pigment: **Geoparl C Russet | Geoparl C Intense Carribean Yellow**

Product name	INCI name	%WT.	Supplier
Phase A			
Sunrise SVA	Mica Lauroyl Lysine	10.00	Geotech International B.V.
Sunrise 970	Mica	7.00	Geotech International B.V.
Zinc stearate	Boron Nitride	7.00	
Boroneige 1501	Zinc Stearate	2.50	ESK
Luzenac 00	Talc	23.50	Luzenac
Phase B			
Fragrance		q.s.	
Antioxidant		q.s.	
Preservative		q.s.	
Phase C			
Geoparl C Russet	Mica CI 77491	15.00	Geotech International B.V.
Geoparl C Intense Caribbean Yellow	Mica Titanium Dioxide CI 19140	25.00	Geotech International B.V.
Phase D			
DC 200 Fluid 5cts	Dimethicone	6.25	Dow Corning
DC 9040 Elastomer	Cyclopentasiloxane Dimethicone Crosspolymer	6.25	Dow Corning

Procedure

1. Thoroughly blend Phase A in a blender;
2. Add Phase B to Phase A and mix until uniform;
3. Add Phase C to Phase A+B and mix until uniform;
4. Add Phase D to Phase A+B+C and mix until uniform;
5. Press the powder

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 coatings & 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



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



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