



Geoshine[®]

POLYESTER GLITTER

**premium brilliant particles
for cosmetics**

Premium polyester glitter for cosmetics

Geoshine® C glitter is a premium range of precision cut polyester particles. Glitter offers high brilliance and a fabulous reflection. The versatility, quality and durability of Geoshine® C allows it to be used in a wide variety of cosmetic products.

The Geoshine® C product line is available in a variety of colours from silver to a deep black shade. Each colour is available in various particle sizes starting from 50 micron (0.002 inch) up to 3 mm (0.125 inch).

Geoshine® C glitter is cut from 12 and 25 micron brilliant metallized polyester foils. The products are light fast, water and solvent resistant, non-toxic and heat stable up to a temperature of 180 degrees Celsius.

Geoshine® C Pastel Matte flakes absorb light and give less reflection and scattering compared to standard glitter. Geoshine® C Pastel Matte is available in different particle sizes from 200 micron and larger, the thickness is approximately 48 micron.

Global cosmetic regulations are complex but thanks to our wide range of colours there are many possibilities to let your cosmetic products sparkle.

Product benefits

- Suitable for water and solvent based formulations
- Available in many different particle sizes
- Globally approved for cosmetic applications
- Adds new dimensions to color cosmetics and personal care products

Applications

We recommend to use this product line for the following applications:



Lip area



Eye area



Nail



External



Rinse off

The effect

The colour and glitter effect of our Geoshine® C products is obtained by reflection of light through a transparent coating, which can be clear or coloured.



A thin PET film is metallized on two sides and forms the base for Geoshine. In a next step this film is coated with a transparent (clear or coloured) coating. Through precision cutting of the film, the available different glitter sizes and sparkling effects are obtained.



Product name	Effect
Geoshine C Bright Silver	Bright silver glitter
Geoshine C Red Gold (40)	Reddish gold glitter
Geoshine C Aztec Gold	Warm gold glitter
Geoshine C Deep Gold (40)	Deep warm gold glitter
Geoshine C Malibu Gold	Greenish gold glitter
Geoshine C Sand	Light brown glitter
Geoshine C Copper (40)	Warm copper glitter
Geoshine C Red	Bluish red glitter
Geoshine C Cherry Red	Pinkish red glitter
Geoshine C Fire Red	Yellowish red glitter
Geoshine C Pink	Cold pink glitter
Geoshine C Fuchsia	Warm maroon glitter
Geoshine C Rose Lilac	Cold lilac glitter
Geoshine C Lilac	Warm lilac glitter
Geoshine C Purple	Bluish violet glitter
Geoshine C Steel	Bluish grey glitter
Geoshine C Turquoise	Blue to green glitter
Geoshine C Blue	Intense blue glitter
Geoshine C Jade	Gold green glitter
Geoshine C Green	Bluish green glitter
Geoshine C Lime Green	Intense green glitter
Geoshine C Gunmetal	Dark grey glitter
Geoshine C Black	Intense black glitter
Geoshine C Multi	Multicoloured glitter

(40): Also available with FD&C Red 40 colorant



Product name	Effect
Geoshine C Pastel Matte Yellow	Matte yellow pastel
Geoshine C Pastel Matte Pink	Matte pink pastel
Geoshine C Pastel Matte Orange	Matte orange pastel
Geoshine C Pastel Matte Red	Matte red pastel
Geoshine C Pastel Matte Green	Matte green pastel
Geoshine C Pastel Matte Sky Blue	Matte light blue pastel
Geoshine C Pastel Matte Blue	Matte blue pastel
Geoshine C Pastel Matte Navy	Matte dark blue



Particle sizes available hexagonal / square

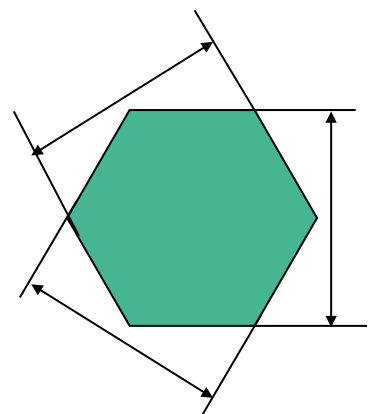
inch	micron
004	100
006	150
008	200
015	400
025	600
040	1000
062	1600
094	2400
125	3100

Particle sizes available rectangular

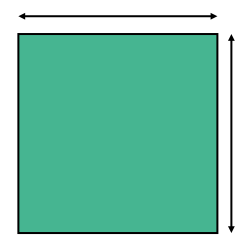
inch	micron
062 x 0125	1600 x 310
125 x 0125	3100 x 310

Particle sizes available random

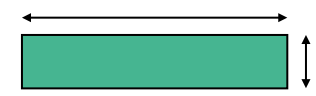
inch	micron
035	see footnote



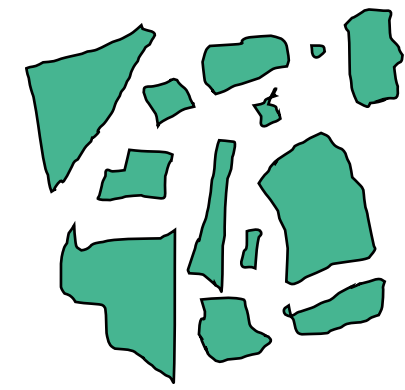
Hexagonal



Square



Rectangular



Random

- * Other particle sizes are available upon request.
- * Particle sizes mentioned in the product names are indicative. More detailed information about exact particle sizes of glitter is available in the Product Properties & Declaration file.
- * The 035 designation refers to the process used to achieve the final product rather than it designating particle size. There can be a small variation in the particle size distribution from product to product.



General formulation do's and don'ts

Suitability water based and solvent based formulations

Geoshine® C polyester glitter products are made of coated polyester glitter flakes. Glitter is an 'open' product due to the fact that the film is cut after it has been aluminized and coated. Every single glitter has an edge of exposed aluminium and coating which is created when the particles are cut from the film. For this reason caustics and all chemicals normally affecting pure aluminium and/or coating may react with the exposed edges.

Geoshine® cosmetic glitter products that are used in cosmetic solvent based formulations, like nail polish, may cause bleeding or loss of effect.

UV stability

Geoshine® C glitter which contain colourants can be sensitive to UV light.

Temperature resistance

Geoshine® cosmetic glitter is heat resistant up to a maximum temperature of 180°C.

Finished product	Level of use (recommendation)
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 %
Eyeliner	1 - 10 %
Soaps	0,3 - 4,0 %
Pressed powder	30 - 70 %
Loose powder	up to 100 %
Blusher	1 - 5 %
Face powder	1 - 5 %
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 %



Formulation guideline | Loose Powder

Product: Loose Powder
 Code: GL-1501116
 Special effect pigment: Geoshine C Pastel Matte Green 008 HEX x 002 | Geoshine C Pastel Matte Orange 040 HEX x 002 | Geoshine C Pastel Matte Orange 040 HEX x 002 | Geospectra C Malibu Gold 015 HEX x 001

Product name	INCI name	% WT.	Supplier
Phase A			
Geoshine C Pastel Matte Green 008 HEX x 002	Polyethylene terephthalate CI 77120 Polyurethane-11 CI 77891 CI 77510 CI 19140	25.00	Geotech International B.V.
Geoshine C Pastel Matte Orange 008 HEX x 002	Polyethylene terephthalate CI 77120 Polyurethane-11 CI 77891 CI 16035 CI 19140	50.00	Geotech International B.V.
Geoshine C Pastel Matte Orange 040 HEX x 002	Polyethylene terephthalate CI 77120 Polyurethane-11 CI 77891 CI 16035 CI 19140	10.00	Geotech International B.V.
Geospectra C Malibu Gold 015 HEX x 001	Polyethylene terephthalate Polyurethane-11 Aluminum powder CI 19140	15.00	Geotech International B.V.

Procedure

1. Combine all ingredients and mix until homogeneous
2. Pour into container



Formulation guideline | Lipstick






Product: Lipstick
 Code: GL-2101133
 Special effect pigment: Geoshine C Red Gold 004 HEX x 001 | Geopearl C Hematite | Geopearl C Silk Bronze | Geopearl C Silk Copper

Product name	INCI name	% WT.	Supplier
Phase A			
White Beeswax	Beeswax	8.75	Koster Keunen
Paracera C44	Carnauba Wax	5.25	Paramelt
Lanolin	Adeps Lanae	3.50	Henry Lamotte
Crodamol IPM	Isopropyl Myristate	5.60	Croda
Drakeol	Mineral Oil	2.10	Calumet Penreco
Castor Oil	Castor Oil	59.80	
Phase B			
Geoshine C Red Gold 004 HEX x 001	Polyethylene terephthalate Polyurethane-11 CI 77000 CI 15850 CI 19140	3.00	Geotech International B.V.
Geopearl C Hematite	Mica Iron Oxides Titanium Dioxide	3.00	Geotech International B.V.
Geopearl C Silk Bronze	Mica Iron Oxides	3.00	Geotech International B.V.
Geopearl C Silk Copper	Mica Iron Oxides	3.00	Geotech International B.V.
Phase C			
Colororant blend	Castor Oil CI 77491 CI 77499 CI 77492	3.00	
Fragrance		q.s	
Preservative		q.s	
Antioxidant		q.s	

Procedure






1. Add Phase A in a vessel and heat until $85^{\circ} \pm 3^{\circ}\text{C}$
2. Add Phase B to Phase A and mix until homogeneous and cool to $75^{\circ} \pm 5^{\circ}\text{C}$
3. Add Phase C to Phase A+B and until mix homogeneous
4. Cool to $40^{\circ} \pm 5^{\circ}\text{C}$ and pour into mould and place mould into the fridge for 30 minutes
5. Remove the lipstick from the mould and place them into the containers



Product name	 Lip area	 Eye area	 External (nail)	 External	 Rinse off	Polyethylene Terephthalate	Polyurethane -11	Aluminum (CI 77000)	FD&C Yellow 5 (CI 19140)	D&C Red 7 (CI 15850)	FD&C Red 40 (CI 16035)	Ferric Ammonium Ferrocyanide (CI 77510)	Iron Oxide Red (CI 77491)	D&C Black 2 (CI 77299)	FD&C Blue 1 (CI 42090)
Geoshine C Bright Silver	⊙	●	●	●	●	X	X	X							
Geoshine C Red Gold	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Red Gold 40	■	○	○	○	○	X	X	X	X		X				
Geoshine C Aztec Gold	⊙	●	●	●	●	X	X	X		X			X		
Geoshine C Deep Gold	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Deep Gold 40	■	○	○	○	○	X	X	X	X		X				
Geoshine C Malibu Gold	⊙	●	●	●	●	X	X	X	X						
Geoshine C Sand	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Copper	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Copper 40	■	○	○	○	○	X	X	X	X		X				






- Global approval
- European and United States approval
- ⊙ European and Japanese approval
- European approval



Product name	 Lip area	 Eye area	 External (nail)	 External	 Rinse off	Polyethylene Terephthalate	Polyurethane -11	Aluminum (CI 77000)	FD&C Yellow 5 (CI 19140)	D&C Red 7 (CI 15850)	FD&C Red 40 (CI 16035)	Ferric Ammonium Ferrocyanide (CI 77510)	Iron Oxide Red (CI 77491)	D&C Black 2 (CI 77299)	FD&C Blue 1 (CI 42090)
Geoshine C Red	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Cherry Red	■	○	○	○	○	X	X	X				X	X		
Geoshine C Fire Red	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Pink	⊙	⊙	●	●	●	X	X	X	X	X					
Geoshine C Fuchsia	⊙	⊙	●	●	●	X	X	X	X	X			X		
Geoshine C Rose Lilac	■	○	○	○	○	X	X	X				X	X		
Geoshine C Lilac	⊙	⊙	●	●	●	X	X	X		X			X		
Geoshine C Purple	⊙	⊙	●	●	●	X	X	X		X			X		
Geoshine C Steel	■	○	○	○	○	X	X	X				X			X
Geoshine C Turquoise	⊙	●	●	●	●	X	X	X	X			X			






- Global approval
- European and United States approval
- ⊙ European and Japanese approval
- European approval



Product name	 Lip area	 Eye area	 External (nail)	 External	 Rinse off	Polyethylene Terephthalate	Polyurethane -11	Aluminum (CI 77000)	FD&C Yellow 5 (CI 19140)	D&C Red 7 (CI 15850)	FD&C Red 40 (CI 16035)	Ferric Ammonium Ferrocyanide (CI 77510)	Iron Oxide Red (CI 77491)	D&C Black 2 (CI 77299)	FD&C Blue 1 (CI 42090)
Geoshine C Blue	⊙	●	●	●	●	X	X	X				X			
Geoshine C Jade	⊙	●	●	●	●	X	X	X	X			X			X
Geoshine C Green	⊙	●	●	●	●	X	X	X	X			X			
Geoshine C Lime Green	⊙	●	●	●	●	X	X	X	X			X			X
Geoshine C Gunmetal	⊙	⊙	●	●	●	X	X	X		X		X		X	
Geoshine C Black	●	●	●	●	●	X	X							X	
Geoshine C Multi	⊙	⊙	●	●	●	X	X	X	X	X		X			X

- Global approval
- ⊙ European and Japanese approval



Product name	 Lip area	 Eye area	 External (nail)	 External	 Rinse off	Polyethylene Terephthalate	Polyurethane -11	Titanium Dioxide (CI 77891)	Barium Sulfate (CI 77120)	FD&C Yellow 5 (CI 19140)	D&C Red 7 (CI 15850)	FD&C Red 40 (CI 16035)	Ferric Ammonium Ferrocyanide (CI 77510)	D&C Black 2 (CI 77299)
Geoshine C Pastel Matte Yellow	⊙	●	●	●	●	X	X	X	X	X			X	
Geoshine C Pastel Matte Pink	○	○	○	○	○	X	X	X	X				X	
Geoshine C Pastel Matte Orange	○	○	○	○	○	X	X	X	X	X			X	
Geoshine C Pastel Matte Red	⊙	⊙	●	●	●	X	X	X	X	X	X		X	X
Geoshine C Pastel Matte Green	⊙	●	●	●	●	X	X	X	X	X			X	
Geoshine C Pastel Matte Sky Blue	⊙	●	●	●	●	X	X	X	X	X			X	
Geoshine C Pastel Matte Blue	⊙	⊙	●	●	●	X	X	X	X		X		X	
Geoshine C Pastel Matte Navy	⊙	⊙	●	●	●	X	X	X	X		X		X	

- Global approval
- European and United States approval
- ⊙ European and Japanese approval



Available packaging

Geoshine® C

Nett weight	Gross weight	Package size L x W x H
5 kg	6 kg	35 x 18 x 21 cm
25 kg	27 kg	40 x 40 x 50 cm

Packed in a plastic bag in a cardboard box.

Geoshine® C Random

Nett weight	Gross weight	Package size L x W x H
25 kg	27 kg	40 x 40 x 50 cm

Packed in a plastic bag in a cardboard box.

Shelf life

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

Samples

Approx. 50 grams samples are available free of charge.

Product data

Product data sheets and additional technical product information are available online. To get access please send an email to marketing@geotech.nl and ask for an account.



About us

Geotech International B.V., based in Haarlem, The Netherlands, is a dynamic company focusing on the development, production and distribution of special effect pigments. The owners family has a background in the industry with over 40 years of experience. Since 1999 the company is managed by the third generation.

GEOTECH's special effect pigments are being used globally in the cosmetics, plastics, coatings & paints, printing and arts & crafts industry.

Disclaimer

All information and samples provided by GEOTECH are given in good faith and without warranty. Our advice does not release you from the obligation to verify the information provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and therefore entirely your own responsibility.



Geotech International B.V.
P.O. Box 1578
2003 BP Haarlem
The Netherlands

T: +31(0)235317553
E: info@geotech.nl
URL: geotech.nl



REVO 07.09.2021

© 2021 GEOTECH. All rights reserved.

