

SUNRISE NATURAL MICA

Natural mica (potassium-aluminium silicate), occurring as muscovite and phlogopite, is world-renowned for its high-temperature, electrical, mechanical and optical properties. No other mineral has this combination of properties with so many important industrial applications. Natural mica also has decorative and filler applications. Sunrise mica, occurs as thin, tough flexible and very elastic flakes.

Sunrise is a wet grounded mica. This yields higher purity and more whiteness.

SUNRISE CRYSTAL SYNTHETIC MICA

Synthetic mica is mainly used in cosmetics (synthetic fluorophlogopite) Sunrise Crystal is an artificially produced flake made of selected pure materials. Therefore, these products have high transparency and no darkness that comes from the impurities in natural flakes. Another advantage of Sunrise Crystal is the low levels of heavy metals and other impurities.

Synthetic fluorophlogopite is used in the formulation of cosmetic products such as foundation, eye make-up, facial make-up, lipsticks etc. It is widely utilized not only in EU, but also overseas countries including USA, Japan and China.

It has a number of formulation advantages over natural mica, including: whiteness, transparency, controllable particle size and resistance to breakage. Sunrise Crystal mica is laid out and classified by particle size, and the material is a single layer thick. Substrates built from these single layers therefore produce increased reflection and depth of field.



Geotech International B.V.
 P.O. Box 1578
 2003 BP Haarlem, The Netherlands
 T: +31 (0)235317553
 F: +31 (0)235342373
 E: info@geotech.nl
 URL: www.geotech.nl

SUNRISE NATURAL MICA

Cosmetics

Sunrise mica is non-carcinogenic, non-toxic and totally inert. It has many beneficial attributes: high UV stability, low abrasiveness, excellent lubricity, good skin adhesion and good resistance to heat, weather, and chemicals. Sunrise mica has the ability to block UV radiation.

Sunrise SVA is a natural mica, treated with lauroyl lysine that enhances the tactile properties, long-wear properties and hydrophobicity of cosmetic powder products. It provides silky feel, good payoff, and adhesion to skin.

Plastics

Sunrise mica combined with plastic resins makes a plastic composite that compares favorably to widely used engineered plastics. Sunrise mica can replace glass fibers and is used in various grades of nylon and polyester resins. A polypropylene-mica composite has many advantages over metal such as corrosion resistance, low weight, and easily molded complicated shapes.

Coatings

Sunrise mica provides durability and helps coatings to resist cracking and checking. It promotes wet adhesion, provides UV resistance and reduces moisture vapor transmission. In coatings Sunrise mica gives a higher brilliance without interfering with the optical properties of other pigments.

Products

Article number	Product	Particle size	Packaging
2104100	Sunrise 325	10 - 45 micron	25 kg carton
2104120	Sunrise 970	5 - 25 micron	25 kg carton
2104140	Sunrise SVA	5 - 25 micron	25 kg carton

SUNRISE CRYSTAL SYNTHETIC MICA

Sunrise Crystal mica is produced from transparent crystals who do not become dark by sweat or oil. Sunrise Crystal mica is synthesized by selected pure materials. It is extremely safe with regards to heavy metals and other hazardous materials.

The powder is tabular, which facilitates adhesion to the skin.

Article number	Product	Particle size	Packaging
2104160	Sunrise Crystal 5 - 25	5 - 25 micron	25 kg carton
2104180	Sunrise Crystal 10 - 60	10 - 60 micron	25 kg carton