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Product Data Sheet



ColorMicas™

Natural Mica Mineral Flakes

For use in Seamless, Resin-based Flooring Systems

For more information, please visit our website at: www.torginol.com

DESCRIPTION

Product Name:

Natural Mica Mineral Flakes
 Trade Name: *ColorMicas*™

Manufacturer:

Torginol, Inc.
 P.O. Box 102
 710 Forest Avenue
 Sheboygan Falls, WI 53085 USA
 (800) 558-7596 toll-free
 (920) 467-2471 telephone
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Torginol ColorMicas™ make resinous flooring glisten with natural crystalline beauty. These unique metallic flakes are derived from a group of sheet silicate minerals known as mica, including muscovite, phlogopite, biotite and clintonite, to name a few. Through a technical manufacturing process, the distinctive hexagonal atom arrangement of the mica minerals is separated into sheet-like pieces and broken down into standardized flake sizes. These unique flakes provide a natural metallic luster to resinous flooring systems that cannot be achieved with other engineered materials.

ColorMicas™ Advantages:

- Colorfast, UV stable
- Unique natural metallic luster
- Custom blending services
- Two standard sizing options
- Lab tested resin compatibility
- Custom blend-matching expertise
- Chemical & abrasion resistant
- Sound reducing ergonomics
- Slip resistant texturing
- Suitable in many environments
- Economical decorative solution
- Custom packaging & label options
- No minimum order quantities
- Hides sub-surface imperfections
- Easy & forgiving application

CHARACTERISTICS

Color:

Visual Consistency ASTM E1808
 Evaluation Pass

Dry Film Thickness:

Micrometer ASTM D1005
 Mils Dry 3 - 5 mils

Shape:

Visual Evaluation
 Random Flakes Pass

Odor:

Olfactory Evaluation ASTM D1296
 Odorless Pass

Surface Texture:

Visual Evaluation
 Smooth Pass

Metallic:

Multiangle Color ASTM E2194
 Metallic Pass

Sheen:

60° Gloss Meter ASTM D523
 > 60 units Pass

Dry Film Flexibility:

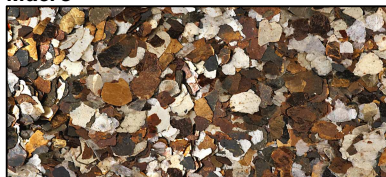
Mandrel Bend Test ASTM F137
 Interior Angle ≤ 110° Pass

Size Profiles:

Micro



Macro



MICA MINERAL OVERVIEW

Muscovite



Phlogopite



Biotite



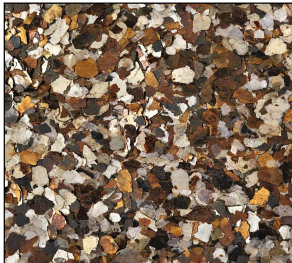
Clintonite



About Mica Minerals:

Mica is a group of phosphoaluminosilicate (phyllosilicate) minerals that are found on every continent. These unique minerals have highly perfect basal cleavage and are monoclinic with a tendency towards pseudo-hexagonal crystals. The highly perfect cleavage, which is the most prominent mica attribute, is explained by the hexagonal sheet-like arrangement of its atoms. Typically, mica is a sparse byproduct of various mining activities, including feldspars and quartz. In addition to resinous flooring, mica is used extensively in electronics, automotive paints, cosmetics, plastics and rubber industries.

COLOR INDEX



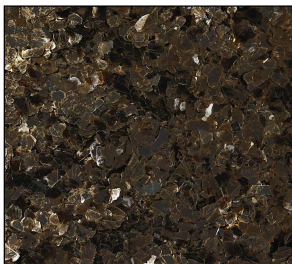
M1000
Multry



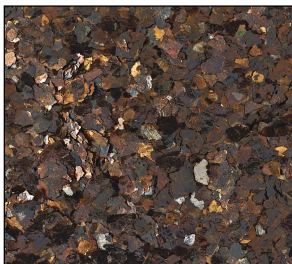
M1010
Silver



M1020
Gold



M1030
Midnight



M1040
Amber



M1050
Rum

APPLICATION

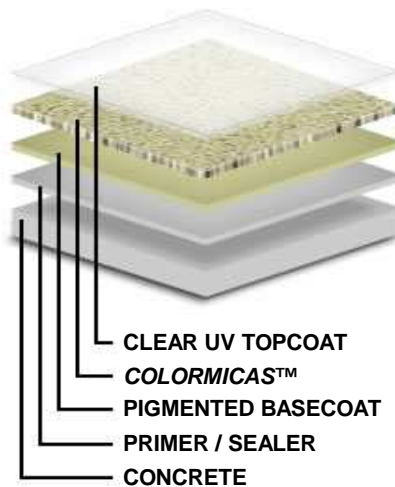
Floor Application Coverage Rates

Flake Size	Full	Partial	
Macro	15-17	25-200	ft ² /lb.
Micro	13-15	25-200	ft ² /lb.

*Coverage rates vary depending on customer preferences and application techniques. Torginol does not guarantee exact coverage rates.

TYPICAL SYSTEM

(approximate dry film thickness: 15 - 30 mils)



For best results, 10-15 mils of clear top-coating is recommended to fully encapsulate *ColorMicas™* and provide a durable wearing surface.

SYSTEM COMPATIBILITY

Lab tested resin chemical compatibility:

- Epoxy
- Polyurethane
- Polyurea
- MMA
- Polyaspartic
- Waterborne
- Solvent-based
- And others...

Note:

To date, no known resin incompatibilities exist. However, Torginol recommends unknown resin compatibility testing prior to use.

PRODUCT LIMITATIONS

- *ColorMicas™* are random in shape due to our manufacturing process.
- Due to inherent product characteristics, a small amount of finer particles will be present within each box.

STORAGE

Store *ColorMicas™* in an air tight poly-bag in a dry environment at room temperature to avoid moisture and humidity.

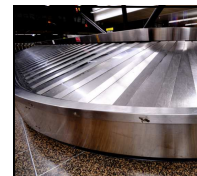
RECOMMENDED USES



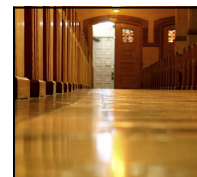
- Airports
- Art Centers
- Auditoriums
- Auto Dealerships



- Banks
- Banquet Halls
- Bars, Pubs & Taverns
- Boutiques



- Casinos
- Churches
- Concourses
- Corridors



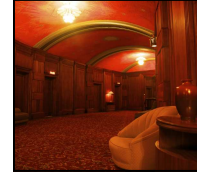
- Country Clubs
- Department Stores
- Financial Institutions
- Foyers
- Galleries



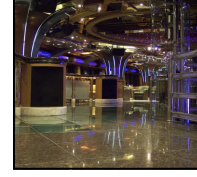
- Garage Floors
- Gentlemen's Clubs
- Hotels
- Kitchens
- Lavatories



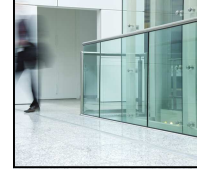
- Lobbies
- Lounges
- Museums
- Nightclubs



- Office Buildings
- Restaurants
- Retail Stores
- Salons



- Shopping Centers
- Showrooms
- Spas
- Sunrooms
- Supermarkets



- Universities
- Vestibules
- Wineries
- And more...