

# TECHNICAL DATA SHEET

## MICA FLAKE™



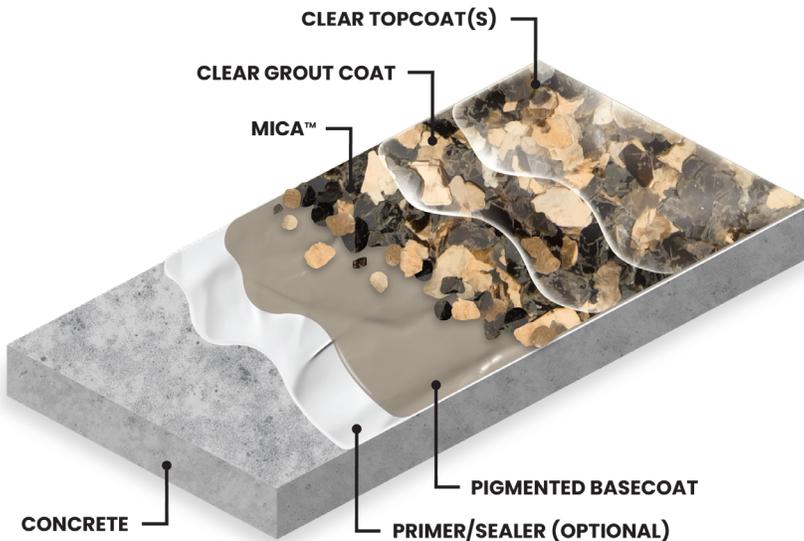
### DESCRIPTION

MICA FLAKE™ enriches and elevates any environment with its lustrous properties. The unique MICA FLAKE™ are derived from a group of sheet silicate minerals, which includes muscovite, phlogopite, biotite and clintonite, possessing a natural shine that cannot be replicated with synthetic materials. MICA FLAKE™ is available in a range of natural and pigmented color options, as well as various sizes. This distinct product can be used alone for a dramatic metallic look or to accent conventional POLYMER FLAKE™ by adding a small percentage to any color blend combination.



### TYPICAL MICA SYSTEM

For best results, a clear topcoat is recommended to fully encapsulate the MICA™ and provide a durable wearing surface.



### FEATURES & BENEFITS

- ✔ Enhances resinous flooring systems
- ✔ Natural metallic luster effect
- ✔ Accents traditional POLYMER FLAKE™ blends
- ✔ Natural & Colored MICA™ options available
- ✔ Three unique sizes for optimum aesthetics
- ✔ MICA™ texture provides anti-slip qualities
- ✔ UV tested lightfastness
- ✔ Applies safely with speed & ease
- ✔ No minimum order quantities
- ✔ Lab-tested resin system compatibility
- ✔ Custom packaging & labeling options
- ✔ Cost effective performance flooring solution

**DISCLAIMER:** The information set forth in this Technical Data Sheet represents typical properties of the product described; the information and typical values are not specifications. Torginol, Inc. makes no representation or warranty concerning the products, expressed or implied, by this Technical Data Sheet.

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## SIZE PROFILES



2-4 MESH



4-8 MESH



8-20 MESH

## NATURAL MICA FLAKE

Recommended for stand alone use or as FLAKE ENHANCEMENT ADDITIVE



Silver  
M1010



Gold  
M1020



Midnight  
M1030



Amber  
M1040



Rum  
M1520



Bronze  
M1060

## COLORED MICA FLAKE

Recommended for use as FLAKE ENHANCEMENT ADDITIVE



Crimson  
M7021



Red  
M7003



Orange  
M7011



Yellow  
M7004



Tan  
M7015



Slate  
M7016



Capri  
M7017



Teal  
M7022



Green  
M7005



Cobalt  
M7018



Blue  
M7002



Navy  
M7014



Plum  
M7008



Brown  
M7006



White  
M7001



Smoke  
M7020



Charcoal  
M7013



Black  
M7009

## PERFORMANCE SPECIFICATIONS

<b>Color</b>	Visual Consistency (ASTM E1808)	Pass
<b>Dry Film Thickness</b>	Micrometer (ASTM D1005)	4 - 5 mils
<b>Shape</b>	Visual Evaluation	Pass
<b>Odor</b>	Olfactory Evaluation (ASTM D1296)	Odorless
<b>Surface Texture</b>	Visual Evaluation	Smooth
<b>Metallic</b>	Multiangle Color (ASTM E2194)	Pass
<b>Sheen (&gt;60 units)</b>	60° Gloss Meter (ASTM D523)	Pass
<b>Dry Film Flexibility</b>	Mandrel Bend Test (ASTM F137)	Interior Angle $\leq 110^\circ$

## COATING SYSTEM COMPATIBILITY

Lab-tested resin system compatibility (Pass/Fail)

<b>Epoxies</b>	Pass
<b>Methyl Methacrylates (MMA)</b>	Pass
<b>Polyaspartics</b>	Pass
<b>Polyureas</b>	Pass
<b>Polyurethanes</b>	Pass

**Compatible with 100% Solids, Solvent-based & Waterborne Systems**

**DISCLAIMER:** Unknown resin compatibility testing recommended prior to use.

## PACKAGING

	Net Weight	Gross Weight
<b>Unit Packaging</b> <i>Poly-lined Corrugated Cartons</i>	10 LB (4.54 KG)	14 LB (6.4 KG)
<b>Full Pallets</b> <i>48 Cartons (4 Layers x 12 Cartons Per)</i>	480 LB (217.7 KG)	664 LB (301.2 KG)
<b>Full Truckload</b> <i>20 Pallets (960 Cartons)</i>	9,600 LB (4,354.5 KG)	13,280 LB (6,023.7 KG)

## FREIGHT SHIPPING CLASSIFICATION

<b>Domestic NMFC Classification Code:</b>	137180-01, Class 60
<b>International Harmonized Tariff Code:</b>	2525.20.0000

## APPLICATION OPTIONS

**Full MICA  
Broadcast**



**Multy  
MB-5015**

**Natural MICA  
Accent Blend**



**Coyote w/ 3% Amber  
FB-513**

**Colored MICA  
Accent Blend**



**Funfetti  
FB-5003**

## STORAGE

MICA™ should be stored in an air tight poly-bag in a dry environment at room temperature to avoid moisture, humidity, and product damage.



## PRODUCT LIMITATIONS

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

## COVERAGE RATE GUIDELINES

Square Feet Per Pound

FLAKE Sizes	Full SF/LB	Partial SF/LB
2-4 Mesh	17-20	25-200
4-8 Mesh	15-17	25-200
8-20 Mesh	13-15	25-200

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