ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

PHYSICAL TESTING DATA

MICA FLAKE

Product Description:

ROCK-TRED's MICA FLAKE blends 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.

Mica is a group of phosphoalumino sheet silicate (phyllosilicate) minerals that are found on every continent. These unique minerals have highly perfect basil cleavage and are monoclinic with a tendency towards pseudohexagonal 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.

Physical Testing Information:

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

Please review ROCK-TRED's Product Data Sheet and SDS for further information on this product.