

MICA

Products for Coatings

QUALITY MINERAL PRODUCTS ENRICHING OUR DAILY LIFE

Mica is a naturally occurring phyllosilicate, that is available in a wide range of particle sizes. Micronized, flaked, wet ground, dry ground and non-delaminated grades are available.

Imerys works actively with customers to develop new and innovative solutions for their technical challenges. As a global leader in white minerals, Imerys brings its unique knowledge, technology and unrivaled depth of application expertise to improve the value of our customers' products. Our engineers, scientists and technologists, utilizing the latest in testing and analytical processes and equipment, are engaged in applied research, product development and investigation of mineral applications at our laboratories around the globe.

Imerys' R&D resources are focused on specific markets. This approach ensures in-depth expertise and a single-minded focus on solutions for our customers. By working collaboratively with the academic and scientific communities in conjunction with our customers, Imerys is able to provide solutions that keep our customers on the forefront of mineral technology. The goal is to develop the most effective processes and materials for each application, supported by the best possible technical service and advice.



muscovite • phlogopite • mica

performance minerals north america

MICA

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Mica Benefits:

Mica provides several benefits for the paint and coatings industry, mostly as a result of its high aspect ratio and its isotropic and flat morphology. The following table lists some of the more important coatings properties improved by the addition of mica.

Composite Property

Barrier
Mud Crack
Noise Reduction
Heat Resistance
Chemical Resistance
Permeability
Decorative

Change Produced by Mica

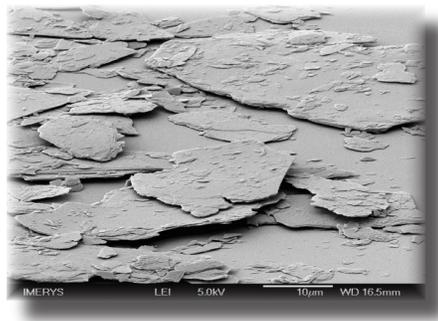
Very high
Very high
Greatly improved
Greatly improved
Very high
Greatly reduced
Very high

Kings Mountain Muscovite Mica

Product	C-4000	C-500	C-1000	L-140	WG 325
Mean Diameter (micron)	17.0	30.0	26.0	60.0	33.0
Relative Aspect Ratio	6.0	9.0	9.0	13.0	10.0
Color	Off-White	Off-White	Off-White	Off-White	Off-White
Product Type	Micronized	Micronized	Micronized	Flake	Wet Ground
	Mica	Mica	Mica	Mica	Mica

Suzorite Phlogopite Mica

Product	40-S	60-S	325-S	325 HK	200 HK
Mean Diameter (micron)	420.0	323.0	37.0	29.0	57.0
Relative Aspect Ratio	29	18.0	11.0	9.0	12.0
Color	Grey	Grey	Grey	Grey	Grey
Product Type	Dry Ground	Flake	Micronized	Micronized	Dry Ground
	Mica	Mica	Mica	Mica	Mica



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