

FEATURES & BENEFITS

ROYALE® Mineral Slurries from Hephzibah are produced with refined and activated kaolins, making them ideally suited for the diverse and exacting requirements of chemical and industrial product formulation. An optimal mix of chemistry, rheology and particle size distribution, ROYALE arrives ready for use without additional processing, screening or aging. Excellent suspension and stability properties ensure controlled application rates and predictable results.

A consistently uniform source of alumina and silica with good titanium contributions, these ROYALE slurries are employed as an admixture in latex and rubber compounding, and in chemical processing and refining. ROYALE is also used in the production of psuedo-ceramics, providing uniform coverage, color control and firing properties in the manufacture of colored roofing granules, building and construction components, and glazed industrial parts.

All ROYALE grades are mined, processed and sized under rigid Covia QIPSM quality assurance systems for consistent performance in industrial processes.

CHEMICAL ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

Typical Mean Percent by Weight On Oxide Basis		
	C-60	R
Silicon Dioxide (SiO ₂)	45.10	45.10
Aluminum Oxide (Al ₂ O ₃)	38.80	38.81
Titanium Dioxide (TiO ₂)	1.55	1.34
Iron Oxide (Fe ₂ O ₃)	0.42	0.99
Calcium Oxide (CaO)	0.05	0.03
Magnesium Oxide (MgO)	0.04	0.04
Potassium Oxide (K ₂ O)	0.03	0.13
Sodium Oxide (Na ₂ O)	0.05	0.02
Loss on Ignition (LOI)	13.50	13.54

PHYSICAL PROPERTIES

Typical Mean Values. These Do Not Represent a Specification.

ROYALE® Mineral Slurries			
Dispersant System		Sodium Hexametaphosphate	Sodium Polyacrylate
Brightness	GEB	78.0	82.0
MBI (meg/100gm)		2.4	2.7
pH	AFS 113-87-S	5.8	7.0
Residue +325m (max)		0.30	0.30
% Solids	ASTM D-153	72.0	71.0

PARTICLE SIZE ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

ROYALE® Mineral Slurries			
	Microns	C-60	R
% Finer	<20	97	100
	<10	89	99
	<5	76	97
	<2	56	89
	<1	43	80
	<0.5	27	63

SHIPPING/ORDERING INFORMATION

- Shipping Point: Hephzibah, GA
- Originating Rail Carrier: Norfolk Southern
- Availability: Bulk Only
Truck and Rail

CUSTOMER SERVICE

US & Canada: 1-800-243-9004

Fax: 1-800-243-9005

Worldwide: 1-203-442-2500

Fax: 1-203-972-1378

3 Summit Park Drive, Suite 700, Independence, OH 44131 | CoviaCorp.com

GRADE NUMBERS INDICATE RELATIVE VALUES OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

Health Hazard Warning: Long term exposure can cause pneumoconiosis. This material contains crystalline silica which can cause pneumoconiosis. Pneumoconiosis is a respiratory disease, which can result in delayed, disabling and sometimes fatal lung injury. IARC and NTP have determined that crystalline silica can cause lung cancer in humans. Risk of injury is dependent on the duration and level of exposure. Avoid creating dust when handling, using or storing. Use only with adequate ventilation to keep exposure below recommended exposure limits. Follow OSHA or other relevant safety and health standards for "Particulates not otherwise classified" (PNOC) and for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

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Kaolin/Silica Containing

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