



TECHNICAL DATA SHEET

# INTERIOR MINERAL PRIMER

## 1. PRODUCT DESCRIPTION

Interior Mineral Primer is designed for use on new drywall and other interior masonry surfaces where a healthy, mineral paint system is desired and to prepare new and painted drywall for Limewash application. A sol-silicate mineral primer, it is fast drying and formulated to seal new, uncoated drywall and masonry surfaces and reduce the number of topcoats required to achieve a uniform, professional quality finish. Over previously painted surfaces, it creates a mineral "bridge" layer between old paints and new mineral finishes, including Limewash.

## 2. FIELD OF APPLICATION

Use on new interior drywall and gypsum board, cement fiber board as well as gypsum and lime plaster, masonry, concrete, brick, stone, or stucco surfaces. Do not use it on MGO board or on vertical surfaces.

## 3. PRODUCT PROPERTIES

INTERIOR MINERAL PRIMER is based on sol potassium silicate binder combined with mineral pigments and fillers to provide a more uniform paintable surface. It moderates variations in the porosity of unpainted surfaces to provide further coverage of mineral paints and a more uniform and even appearance of finish coats.

- Mineral matte flat—will not flash
- Extremely low VOC and no odor
- Easy to use and high hiding
- Incombustible and safe to use — Class A Building Material
- Extremely vapor permeable—allows any mineral surface to breathe naturally
- Naturally resistant to fungal and mold growth
- Environmentally friendly
- No solvents or pesticides added
- Provides a mineral bridge-coat for application of Limewash to previously painted interior surfaces

## Technical Data

|                 |                             |
|-----------------|-----------------------------|
| Specific Weight | 1.3 - 1.5 g/cm <sup>3</sup> |
| pH Value        | 11                          |
| Binder Type     | Sol Potassium Silicate      |
| Gloss at 85°    | 2.0 Mineral Matte Flat      |
| Flashpoint      | Non-Flammable               |
| VOC             | < 1 g/liter                 |

Color: White

## Environmental Compliance

|                                |     |
|--------------------------------|-----|
| UL Greenguard Gold             | YES |
| OTC AND LADCO                  | YES |
| LEED                           | YES |
| CARB                           | YES |
| SCAQMD                         | YES |
| Cradle to Cradle Certification | YES |

## 4. SPECIFICATIONS/SYSTEMS

For proper appearance and performance INTERIOR MINERAL PRIMER must be applied at recommended coverage rates. Surface should be fully coated, with no pinholes, runs or holidays.

### Drywall or Gypsum Board (new)

1 coat Interior Mineral Primer

1—2 coats Interior Mineral Paint or Limewash

### Concrete (old or new)

1 coat Interior Mineral Primer

1—2 coats Interior Mineral Paint or Limewash

### CMU Block (new or previously painted)

1 coat Interior Mineral Primer

1—2 coats Interior Mineral Paint or Limewash

### Stone and Stucco (new or aged, bare)

1 coat Interior Mineral Primer

1—2 coats Interior Mineral Paint or Limewash

### Previously Acrylic Painted Surfaces

1 coat Interior Mineral Primer

1—2 coats Interior Mineral Paint or Limewash

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Do not apply to aged, oil base, epoxy, or urethane coatings or on floors.

### 5. SURFACE PREPARATION

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800- 424-LEAD (in US) or contact your local health authority.

The substrate must be sound, dry, absorbent, clean and free from dust and grease. Loose areas, dirt, oily substances, release agents, curing compounds, moss and algae must be completely removed.

Existing paint coatings, which are loose or peeling, must be removed by scraping or mechanical methods, and sanded smooth.

### 6. APPLICATION

Interior Mineral Primer may be applied by brush, roller, or airless spray.

- Brush - Use a nylon/polyester brush
- Roller - Use a 3/8" to 3/4" nap synthetic roller cover (depending on texture of surface)
- Airless Spray
  - Pressure: 3000 psi, minimum
  - Tip: .031 in, minimum
  - Remove mesh filters from pump manifold and spray gun handle
  - Back roll to reduce appearance of spray patterns

Do not dilute Interior Mineral Primer, apply as supplied.

#### Application conditions

Apply between 40 and 86°F.

#### Drying times

Drying times are temperature, humidity, and coverage dependent.

|         | @ 40-50°F | @ 50°F +   |
|---------|-----------|------------|
| Touch:  | 4--6 hour | 2--4 hours |
| Recoat: | 12 hours  | 6--8 hours |

#### Coverage\*

| SUBSTRATE                                                                                                                                                                                                                                                                                                                 | COVERAGE*      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| New Drywall/Wallboard                                                                                                                                                                                                                                                                                                     | 200—250 SF/GAL |
| Previously painted drywall                                                                                                                                                                                                                                                                                                | 250—300 SF/GAL |
| Masonry or Brick                                                                                                                                                                                                                                                                                                          | 250—300 SF/GAL |
| Natural Stone Masonry                                                                                                                                                                                                                                                                                                     | 225—275 SF/GAL |
| Cast or Pre-Cast Concrete                                                                                                                                                                                                                                                                                                 | 275—325 SF/GAL |
| Fiber Cement Siding                                                                                                                                                                                                                                                                                                       | 275—325 SF/GAL |
| Portland Stucco                                                                                                                                                                                                                                                                                                           | 150—200 SF/GAL |
| CMU Block (smooth)                                                                                                                                                                                                                                                                                                        | 100—150 SF/GAL |
| CMU Block (split faced or fluted)                                                                                                                                                                                                                                                                                         | 50—100 SF/GAL  |
| *Stated values are based on our experience on smooth surfaces. Surface texture, porosity, application conditions and type of equipment used will all vary consumption. Only a test application, using desired mixing ratio and under production conditions will forecast consumption of the system components accurately. |                |

#### Cleaning

Clean spills, spatters, hands, and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Tools should be kept in the paint material or in water during work breaks.

### 7. PACKAGING

Gallon and 4 Gallon

### 8. STORAGE

Approx. 12 months in tightly closed container under cool, frost-free conditions. Protect from heat and direct sunlight.

### 9. DISPOSAL

Dispose of completely emptied containers in accordance with local, state and federal waste regulations.

#### HAZARDOUS SUBSTANCE CLASS

n/a

### 10. LIMITATIONS

Interior Mineral Primer should only be used on vertical surfaces (walls and ceilings). Do not use on floors or previous finishes of varnish, urethane, epoxy, or oil base paints.

### 11. SAFETY INSTRUCTIONS

#### CAUTION! SKIN OR EYE CONTACT MAY CAUSE TEMPORARY IRRITATION

Use proper protective equipment and wear protective clothing. Wash hands and skin after handling. Keep container closed when not in use. **FIRST AID:** If swallowed, give two glasses of water. Do not induce vomiting. Call for medical help immediately. Never give anything by mouth to an unconscious person. In case of skin irritation, consult a physician. In case of contact, immediately flush eyes and skin with plenty of water; get medical help if needed.

### KEEP OUT OF REACH OF CHILDREN

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

The information and recommendations set forth in this Technical Data Sheet are based upon tests conducted by or on behalf of KEIM Mineral Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult <http://www.keim-usa.com/Technical-Data-Sheets> for the latest in product technical information.

