



TECHNICAL DATA SHEET

# SOLIPRIM® INTERIOR PRIMER

## SOL-SILICATE PENETRATING PRIMER AND CONDITIONER

### 1. PRODUCT DESCRIPTION

Soliprim® primer, a specialty primer and conditioner, is a versatile solution formulated with silica sol and hydrosol. It deeply penetrates new drywall, wallboard, and all types of porous mineral surfaces, eliminating variable porosity and consolidating dusting surfaces. This milky-white primer, which dries clear, enhances topcoats' overall appearance and coverage, demonstrating its adaptability to a wide range of substrates.

### 2. FIELD OF APPLICATION

Soliprim reduces the variable absorbency of interior mineral surfaces. As a conditioner, it reduces surface chalking or sanding, optimizing them for a more uniform final appearance, especially in critical light conditions. Do not use it on previously painted surfaces.

### 3. PRODUCT PROPERTIES

- Forms covalent chemical bonds with mineral surfaces for permanent adhesion
- Promotes excellent adhesion of mineral topcoats
- Solidifies and consolidates extremely porous and sanding masonry or wallboards
- Vapor permeable allows wall assembly to breathe
- Microporous surface is ideal for a uniform appearance, especially in "raking" light
- Non-toxic, no solvents, biocides or antimicrobial additives
- No Odor
- Zero VOC

### Technical Data

Specific Weight	1.0 - 1.1 g/cm³
pH Value	Approx.. 9
Binder Type	Silica Sol and Hydrosol 2
Gloss at 85°	2.0 Mineral Matte Flat
Vapor Diffusion (sd-value)	<0,01 m Extremely Permeable
Flashpoint	Non-Flammable
VOC	< 1 g/liter

Color: Milky white dries clear

### Environmental Compliance

OTC AND LADCO	YES
LEED	YES
CARB	YES
SCAQMD	YES
100% Green Energy	YES

### 4. SPECIFICATIONS/SYSTEMS

For proper appearance and performance, Soliprim must be applied at recommended coverage rates. Surface should be fully saturated.

#### Drywall or Gypsum Board (new)

1 coat Soliprim  
1—2 coats Interior Mineral Paint

#### Concrete (bare new or old)

1 coat Soliprim  
1—2 coats Interior Mineral Paint

#### CMU Block (bare new or old)

1 coat Soliprim  
1—2 coats Interior Mineral Paint

#### Stone and stucco (bare new or old)

1 coat Soliprim  
1—2 coats Interior Mineral Paint

#### Plaster (bare new or old)

1 coat Soliprim

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1—2 coats Interior Mineral Paint or Limewash

Do not apply to aged, oil base, epoxy, urethane coatings or non-porous surfaces. Do not use 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 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.

### 6. APPLICATION

Soliprim is ideally applied by large wall brush, it may also be rolled or sprayed.

- 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: .019--.021 inch
  - Back roll to reduce appearance of spray patterns

Soliprim is a thin-bodied material and is supplied ready-to-use. Do not thin.

#### 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:	24--48 hours	24 hours

#### Coverage\*

SUBSTRATE	COVERAGE*
New Drywall/Wallboard	150—200 SF/GAL
Masonry or Brick	100—150 SF/GAL
Natural Stone Masonry	100—150SF/GAL
Cast or Pre-Cast Concrete	150—200 SF/GAL
Portland Stucco	100—150 SF/GAL
CMU Block (smooth)	75—125 SF/GAL
CMU Block (split faced or fluted)	25—75 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 in consumption. Only a test application, will forecast the 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 equipment rusting. Tools should be kept in the primer or in water during work breaks.

### 7. PACKAGING

1.3 gal (5 liter) or 5.3 gal (20 liter) jerrycan

### 8. STORAGE

Approximately 12--18 months in a 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

Soliprim should only be used on vertical surfaces (walls and ceilings). Do not use on floors or previously painted surfaces.

### 11. SAFETY INSTRUCTIONS

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

Use proper protective equipment and 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.