



REMR MATERIAL DATA SHEET CM-SE-1.22
 CONCRETE SEALER: KEIM SILAN PRIMER

1. NAME

Keim Silan Primer

Do not process below 40° F of recirculated air and surface.

2. MANUFACTURER

Mineros Industries, Inc.
 505 West 211th St.
 New York, NY 10034
 Telephone: 212-304-1500

5. MANUFACTURER'S TECHNICAL DATA

Comments: The Silan molecule is extremely small and can easily penetrate concrete to a depth of 1/4 in. The Silan is chemically activated by the alkaline substrate causing the Silan to bond directly to the minerals in the substrate. This provides a permanent, highly effective band of protection within the substrate.

3. DESCRIPTION

20-percent alkyl trialkoxy silane in ethyl alcohol.

Advantages: The Keim Silan Primer offers the following advantages:

4. USES & LIMITATIONS

Uses: Keim Silan Primer is a clear penetrating water repellent for use on exterior above-grade concrete and stucco. It provides excellent protection for both vertical and horizontal surfaces against water and salt penetration when used alone or as a primer for the Keim Mineral Coating System.

It resists efflorescence, freeze-thaw scaling, acid rain deterioration, staining and discoloration, mildew, and mold formation.

Limitations: Keim Silan Primer is a flammable liquid. Avoid sources of ignition such as sparks or open flame. Do not smoke during the application. Provide adequate ventilation to remove vapors during application. Avoid inhalation. Wear eye protection and protective clothing.

- Excellent water repellency.
- Free breathing.
- Deep penetration.
- Nonfilm forming.
- Alkaline resistant.
- Ultraviolet stable.
- Retarding of efflorescence.
- Protection against acid rain.
- Protection against freeze-thaw damage.
- Reduction of water and penetration.

Packaging: 6.6- and 55-gal drums.

Technical data:

Composition: Alkyl alkoxy silane
 Active water repellent: 8%
 Solvent: Ethyl alcohol
 Water absorption ASTM C 642:
 91% effective

Percent water absorption
(ambient temperature) (ASTM C 642):

1 day	0.27%
2 days	0.77%
4 days	1.26%
7 days	2.05%

Ratio of percent water absorption for
treated to nontreated specimen (2-day
submersion): 16.4%

Percent water transmission:

2 days	0.46%
4 days	0.76%
7 days	1.11%

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 31.4%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

Keim Silan Primer is available through distributors or from the manufacturer's plant. Write to the manufacturer at the address given under item 2 or call 212-304-1500.

10. TECHNICAL SERVICE

Technical service may be obtained from trained field representatives or from the manufacturer at 212-304-1500.