



REMR MATERIAL DATA SHEET CM-SE-1.3

CONCRETE SEALER: PRESERVA-CRETE

1. NAME

Preserva-Crete

2. MANUFACTURER

Preserva-Products
 PO Box 744
 Tahoe City, CA 95730
 Telephone: 916-583-0177

3. DESCRIPTION

Proprietary, containing a high concentration of silicone.

4. USES

Especially formulated to protect concrete and masonry surfaces from freeze-thaw damage; prevent water absorption; and reduce spalling, hair-line cracking, and efflorescence.

5. MANUFACTURER'S TECHNICAL DATA

Specific gravity	0.8316
Weight per gallon	6.93 lb
Appearance	water-white clear
Solubility in water	insoluble
Flash point, Tag	125° F
Closed Cup	
Viscosity	
SUS at 100° F	31
Centistokes at 100° F	1.5
Sulfur weight %	0.01
Corrosion	noncorrosive

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Before applying to concrete masonry surface, sweep, dust, or use a wire-brush to remove debris. If efflorescence (white residue) is present, wash surface with a 20-percent solution of muriatic acid (1 part acid to 4 parts water); then rinse with clear water and allow to dry thoroughly before applying Preserva-Crete.

Application: Use an acceptable application method: brush, roller, or spray. Apply liberally so as to flood surface to a maximum absorption as indicated by a rundown of 6 to 12 in., but do not allow to puddle on horizontal surfaces.

If thorough saturation is obtained, one coat will give excellent water repellency. However, if a two-coat application is possible, water-repellency will be superior. Allow 24 hr between coats. Protection should last for several years, depending upon weather to which surface is exposed. Check periodically for water penetration to tell when it is time for another coat to be applied.

Coverage: Thorough saturation should be achieved. Because of varying porosity of different masonry and concrete surfaces, coverage will range from 60 sq ft/gal on porous concrete block to 300 sq ft/gal on natural stone veneer.

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7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 10.6%

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

1 day	0.26%
2 days	0.35%
4 days	0.44%
7 days	0.60%

Ratio of percent water absorption for
treated to nontreated specimen (2-day
submersion): 7.4%

Percent water transmission:

2 days	0.92%
4 days	1.55%
7 days	2.18%

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 61.7%

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

Information concerning the availability and cost of Preserva-Crete can be

obtained by writing to the manufacturer at the address given in item 2 or by calling 916-583-0177.

10. TECHNICAL SERVICE

Information concerning technical service can be obtained by writing to the manufacturer at the address given in item 2 or by calling 916-583-0177.