

1. PRODUCT NAME

MirrorCrete Hardener

2. MANUFACTURER

Floor Seal Technology

1005 Ames Ave.
Milpitas, CA 95035
(800) 572-2344
www.floorseal.com

3. PRODUCT DESCRIPTION

A. Composition

MirrorCrete Hardener is a colloidal silica based densifier and hardener. MirrorCrete Hardener is designed to quickly penetrate and chemically react with the concrete surface to create a dust-proof, hardened, hydrophobic and breathable surface. MirrorCrete Hardener is a component of the MirrorCrete Polished Concrete System.

B. Advantages

1. Safe to handle using conventional protection.
2. Easy to clean using water and soap.
3. UV stable.
4. Suitable for interior or exterior surfaces.
5. No potential for whitening.
6. Consistent silica particle size for consistent reaction.
7. Lower pH than silicate densifiers.
8. No rinsing required.

4. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- A. **Form:** Clear, water-based solution
- B. **Total Solids:** 18.0%
- C. **pH:** 9.0
- D. **Sheen:** Dependent upon polish level
- E. **Drying Time:** Estimate 20 minutes to 1 hour
- F. **Flash Point:** N/A
- G. **Flammability:** Combustible liquid
- H. **VOC content:** 0.0 g/L
- I. **Freeze Point:** 32 degrees F
- J. **Slip Resistance:** Does not change floor's coefficient of friction

3. INSTALLATION

A. Sequence installation of MirrorCrete Hardener in accordance with MirrorCrete Polished Concrete System data sheet.

B. MirrorCrete Hardener is available in 5 and 55 gallon containers and is then mixed 4:1 with water (recycled water can be used). Apply MirrorCrete Hardener to the surface as required with HVLP sprayer. Apply enough material to keep surface saturated for 15 minutes.

C. Allow MirrorCrete Hardener to dry completely before proceeding with additional polishing steps. MirrorCrete Hardener applications will not require rinsing.

Caution: Always create pre-job samples and mock-ups on substrates that are similar to the actual application. Application rate varies with substrate; a safe number is 500 square feet per gallon (when mixed with water) for estimation purposes.

Note: All substrates must be fully cured (concrete, to a minimum of 28 days, other substrate systems per manufacturer's recommendations) and must be clean and free of all debris or materials that might affect results.

4. PRODUCT AVAILABILITY

MirrorCrete Hardener is available from Floor Seal Technology.

5. MAINTENANCE

When used as part of the MirrorCrete Polished Concrete System, MirrorCrete Maintenance Cleaner is recommended for ongoing maintenance and to further enhance the finish of the concrete. No solvents or waxes are required.

6. SPECIFICATION ASSISTANCE

Consult Floor Seal Technology for specification assistance, detailing, etc. This consultation is highly recommended prior to specification of this system, as execution has much to do with the final finish of a MirrorCrete polished concrete floor.