



FLOORSAVER

*Chemical Hardener
for Concrete Floors*

1. Product Description

a. **Basic Use:** Floorsaver is a water-based, magnesium silico-fluoride penetrant designed to harden and dustproof concrete floor surfaces. Through a chemical reaction with the concrete, Floorsaver significantly increases the floor surface quality and ties up any loose dust. This hardening process helps prevent further deterioration of the surface.

b. Features/Benefits:

- Easy to use with standard applicators and equipment.
- Penetrates into punky, dusting concrete for deep surface treatment.
- Hardens and densifies floor surfaces for extended floor life.
- Densifies concrete surface for easier cleaning.
- Gives floors better resistance to oils, fluids, chemicals, and other liquids.
- VOC compliant and safe to use.

c. **Typical Applications:** Warehouses, garages, terminals, storage rooms, manufacturing plants, food processors, walls, silos.

d. **Limitations:** Do not use over concrete where curing membranes have been recently applied. Wait at least seven days before applying to new concrete.

e. **Composition:** Floorsaver is a magnesium silico-fluoride solution with water as the carrier.

f. **Color/Appearance:** Floorsaver is designed to penetrate into concrete and will darken the surface slightly. When concrete can no longer take the Floorsaver liquid, white, unreacted crystals will form on the surface and should be removed by scrubbing with soap and warm water. Do not use on colored concrete.

2. Packaging

Floorsaver is packaged in 1-gal. (3.8 liter) jugs (4 jugs per case), 5-gal. (18.9 liter) pails, and 55-gal. (208 liter) drums.

3. Estimating/Coverage

Floorsaver application is a two-coat process. Floorsaver should be diluted with water for best results:

<i>Application</i>	<i>Floorsaver/Water</i>	<i>Coverage after Dilution</i>
<i>First Application</i>	<i>1 to 1</i>	<i>100 sq. ft./gal. (2.45 sq. m/liter)</i>
<i>Second Application</i>	<i>2 to 1</i>	<i>150 sq. ft./gal. (3.68 sq. m/liter)</i>

Coverage will vary depending on porosity of floor. For estimating purposes, one gal. (3.8 liter) of Floorsaver concentrate will treat 100 to 125 sq. ft. (9.3 to 11.7 sq. m) of floor area.

4. Technical Data

a. **Concentration:** 20%

b. **Drying Time:** 3 to 4 hours

c. **Ultraviolet Resistance:** Excellent

d. **Alkali Resistance:** Excellent

e. **Chemical Resistance:**

- **Solvents:** *Excellent*
- **Sugar:** *Good*
- **Caustics:** *Excellent*
- **Salts:** *Excellent*
- **Mild Acids:** *Good*

f. **Compatibility:** Since Floorsaver does not form a film, treated concrete can readily accept most carpet and tile adhesives. One part concrete sealers are also compatible. Epoxy and urethane coatings should be applied in accordance with the concrete preparation requirements of the manufacturer.

5. Directions for Use

a. **Preparation:** Old concrete must be cleaned of any oil, grease, or loose debris. Scrub floor with a high-alkaline cleaner to remove all free dust. New concrete should be at least seven days old.

b. **Ambient Conditions:** Use at temperatures above 40°F (4°C).

c. **Material Application:** Follow dilution recommendations under estimating and coverage. Flood first application over floor area and spread with mops, squeegees, or brooms. Allow to soak into concrete. Spread any puddles. After 4 hours, the second application may be applied. Follow the same procedure. (Note: When the floor is completely saturated, Floorsaver will no longer penetrate and white crystals will form as it dries. Remove these crystals with warm, soapy water and a power scrubber).

d. **Clean-Up:** Use Waterzall Concentrate and warm water to clean tools and equipment.

e. **Storage/Shelf Life:** Floorsaver can be stored safely in any warehouse. If it freezes, allow to thaw out and remix container. Shelf life is two years.

f. **Maintenance:** Floorsaver will not permanently harden severely dusting floors. Repeated applications may be warranted from time to time if dusting starts to occur again.

6. Availability

Floorsaver is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Floorsaver is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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