

# K A U F M A N

PRODUCT  
INFORMATION

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## DIAMOND

### Description

Diamond is a colorless solution of chemically active magnesium silicofluorides, plus suitable surfactants in an aqueous solution. When applied to properly prepared flooring, the chemicals react with the free lime and calcium carbonates in concrete. So long as there is free lime available, (usually up to 15 years) this reaction occurs. This reaction forms a dense, granite-like, casehardened surface that produces a dustproofed, long-wearing surface.

Diamond has no odor, nor is it flammable. It complies fully with OSHA requirements. Application can take place even while people are working in the area.

### Uses

Diamond is particularly effective in hardening and dustproofing floor surfaces that are at least three weeks old and are only moderately hard and porous. The insoluble salts and silica deposits left by Diamonds in-depth hardening actions, serve to fill up small pores and reinforce weak floor areas. Steel troweled floors treated with Diamond develop a distinctive, polished sheen from traffic. As the sheen develops, porosity is reduced for easier maintenance. Since Diamond leaves no film, that can yellow or lose gloss as it wears, constant maintenance is reduced. Diamond is recommended for use on concrete floors to be carpeted and is compatible with most resilient floor tile adhesives.

### Compliances

Diamond complies with Veterans Administration specification - Master 601, section 4. Corps of Engineers CE-204 & Federal specification for magnesium and/or zinc silicofluoride hardeners.

### Special Features

The special wetting agents incorporated in Diamond, allow the liquid to penetrate deeper than homemade hardeners. Tests prove at least 50% greater penetration due to the special surfactants employed in Diamond. The deeper penetration means more in-depth hardening and longer life to the user.

### Guarantee

Kaufman Products, Inc. guarantees Diamond treated floors will not show signs of dusting as a result of wear and abrasion within 5 years from date of application. If dusting does occur, Kaufman Products, Inc. will furnish at no expense, enough compound to treat the affected floor or portion thereof, provided the floor treatment was applied according to directions printed therein.

### VOC

0 grams/liter

### Packaging

55-gallon plastic drum  
5-gallon plastic drum

### Coverage Rates

1 gallon of *undiluted Diamond* is sufficient to treat 150 sq. ft. with 2 coats.

### Directions

#### Surface Preparation

Surfaces to receive Diamond must be clean, free from foreign matter, sealers and curing compounds. New concrete must be thoroughly set, dry and over 3 weeks old.

#### Dilution

1 t coat	2 parts water to 1 part Diamond by volume
2nd coat	1 Part water to 1 part Diamond by volume
3rd coat	1 part water to 2 parts Diamond by volume

### Application

Two or three applications are required on concrete and terrazzo floors. Apply by flushing onto the surface and spread evenly with a broom or squeegee. Avoid puddles or excessive solution. Apply each coat as above and allow to dry completely. This usually takes 4-12 hours. To avoid white crystalline deposits, when employing the third coat, flush floor liberally with clean water immediately after application of third coat. If a white deposit starts to appear after the second coat, a third coat is not necessary.

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LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salesmen, distributors and their salesmen have no authority to change the printed recommendations concerning the use of our products.

## **Precautions**

Do not use on surfaces that have a sealer or curing compound. Do not use on colored concrete floors.

Use plastic or galvanized buckets for mixing. Do not allow Diamond to come in contact with any glass, fabric, metal or painted surfaces. Should this occur, wipe affected surfaces immediately with a clean water saturated cloth, wipe dry with another cloth.

Diamond is toxic and appropriate precautions should be observed. Should white crystals occur, the saturation of the surface and applications should stop. The surface should be flushed with clean, hot water, broomed with a stiff bristle broom and allowed to dry. Remove while still wet, as crystalline deposits are difficult to remove when dry. Protect from freezing. If Diamond does freeze in the container, allow to thaw and stir well before use. Read Material Safety Data before using.