



## THE EUCLID CHEMICAL COMPANY

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# SURFLEX®

## NON-METALLIC FLOOR HARDENER

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**SURFLEX** is a quartz-silica mixture of finely graded nonmetallic aggregates, plasticizer and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. It is particularly valuable because of its non-rusting characteristics when floors will be frequently wet. SURFLEX is available in eight non-fading colors as well as natural.

### PRIMARY APPLICATIONS

- Lobbies and waiting rooms of commercial and public buildings
- Corridors and washrooms in institutional and public buildings
- Restaurants and dairies
- Auto showrooms and service centers
- Factory and warehouse floors
- Commercial and industrial facilities

### FEATURES/BENEFITS

- Hardens concrete in one economical operation
- Use of hard and properly graded aggregates increases the wear resistance over plain concrete floors
- Ready-to-use factory blend eliminates messy and expensive job mixing and minimizes errors
- Non-rusting materials make it possible to use SURFLEX outdoors as well as indoors
- Eucon dispersing agent contained in SURFLEX makes it possible to incorporate SURFLEX into the surface of low slump concretes resulting in exceptionally high surface strengths for maximum wear resistance

### SPECIFICATIONS/COMPLIANCES

- U.S.D.A. approved for use in facilities where this sealer may come into incidental contact with food products.

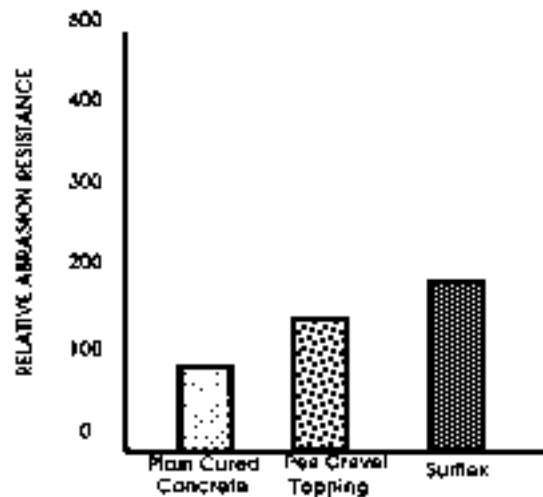
### PACKAGING

SURFLEX is packaged in 50 lb (22.7 kg) bags with polyethylene liners for moisture protection. Material is shipped 64 bags per pallet.

### TECHNICAL INFORMATION

#### Typical Engineering Data

#### ASTM C 779



**Appearance**-SURFLEX is a free flowing powder as packaged.

SURFLEX is available in a natural cement color or in decorator colors of tile red, terra cotta, black, green, french gray, battleship gray, light gray, brown and tan.

The final finish can be any texture normally achievable with concrete and should be specified by the owner.

### COVERAGE

SURFLEX may be applied at rates from 0.5-2.0 lb/ft<sup>2</sup> (2.4-9.8 kg/m<sup>2</sup>). Higher application rates yield better total abrasion resistance. Greater application rates may be used with special considerations. Contact your Euclid Chemical Company representative for recommended procedures.

## **DIRECTIONS FOR USE**

The contractor and engineer are encouraged to consult and review the Euclid Chemical bulletin "**Application Instructions - Dry Shake Floor Hardeners**". The document offers instructions detailing the general installation of Euclid Chemical manufactured dry shake floor hardeners.

**Note:** If the contractor is not familiar with the standard application techniques of a dry shake floor hardener, a pre-job meeting is suggested to review the project concrete mix design as well as placement and curing details unique to the particular job. Contact your local Euclid Chemical Company representative for additional information.

In addition to the information in "Application Instructions - Dry Shake Floor Hardeners", the contractor should consider the following when installing SURFLEX:

Colored (pigmented) dry shakes require special attention to a uniform color. For colored floors, use a minimum of 1.0 psf (4.9 kg.m<sup>2</sup>) to assure proper color intensity. If the job involves placement of colored SURFLEX, care should be taken with regards to the following:

- a. Delay application of the shake as long as possible to get the maximum color saturation at the surface of the slab.
- b. Apply the shake as evenly as possible and in two applications for maximum uniformity.
- c. Do not burnish trowel the floor. Best appearance is achieved by hand troweling the final finish.

**Curing and Sealing**-The following products are recommended for curing and sealing SURFLEX. Each has its own advantages and unique properties. You are strongly encouraged to consult the individual technical data sheet for each curing and sealing product or contact your Euclid Chemical representative for a recommendation regarding your specific project.

## **CURING**

### **Solvent Based**

SUPER DIAMOND CLEAR  
SUPER FLOOR COAT<sup>1</sup>  
SUPER FLOOR COAT COLORED

### **V.O.C. Compliant**

SUPER DIAMOND CLEAR VOX  
SUPER AQUA-CURE VOX  
KUREZ DR VOX<sup>1,2</sup>

## **SEALING**<sup>2</sup>

### **Solvent Based**

SUPER FLOOR COAT<sup>1</sup>  
SUPER REZ-SEAL  
SUPER DIAMOND CLEAR

### **V.O.C. Compliant**

EUCO DIAMOND HARD<sup>2</sup>  
FLOOR SEAL VOX

<sup>1</sup> Do not use on colored surfaces.

<sup>2</sup> If the floor surface will later be frequently exposed to solvents, hydraulic fluid, etc. cure the floor with KUREZ DR VOX applied at 400 ft<sup>2</sup>/gal (9.8 m<sup>2</sup>/liter). Seal the floor with EUCO DIAMOND HARD penetrating sealer. Fast track projects may be cured and sealed with EUCO DIAMOND HARD. Consult individual product data sheets for suitability and application information.

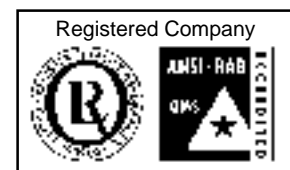
## **CLEAN-UP**

Clean tools and equipment with water before the material hardens.

**Shelf life** is 2 years in original, unopened package.

## **PRECAUTIONS/LIMITATIONS**

- For additional abrasion resistance beyond that offered by SURFLEX consider the use of EUCO-PLATE HD an iron aggregate floor hardener.
- Sufficient manpower is required to produce consistent results on large placements.
- Air-entraining admixtures may complicate finishing operations and cause blistering. Contact The Euclid Chemical Company if application of this product will be over air entrained concrete with more than 3% total air content.
- Store product in a dry place.



Form Surfex-8.00

**WARRANTY:** The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.