



SURFLEX E

NON-METALLIC, EMERY FLOOR HARDENER

DESCRIPTION

SURFLEX E is a mixture of cement and graded emery aggregates. It is a wear resistant 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 E** is only available in natural color.

PRIMARY APPLICATIONS

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

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 E** outdoors as well as indoors
- Eucon dispersing agent contained in **SURFLEX E** makes it possible to incorporate **SURFLEX E** into the surface of low slump concretes resulting in exceptionally high surface strengths for maximum wear resistance

TECHNICAL INFORMATION

Typical Engineering Data

Compressive Strength: ASTM C 109, 50 mm cubes

Mixed at 2.6L of water per 25kg bag

Age	Strength MPa
7 days	82.8
28 days	103.4

Appearance: **SURFLEX E** is a free flowing powder as packaged. It is available in a natural cement color only. The final finish can be any texture normally achieved with concrete and should be specified by the owner.

Relative Abrasion Resistance ASTM C 779

Age	Abrasion @ 30 min.	Abrasion @ 60 min.
7 days	0.41 mm	0.84 mm
28 days	0.38 mm	0.69 mm

PACKAGING

SURFLEX E is packaged in 25kg bags with polyethylene liners for moisture protection.

SHELF LIFE

2 years in original, unopened package.

COVERAGE

SURFLEX E may be applied at rates from 4.9 to 12.2 kg/m². 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 “**Dry Shake Floor Hardeners - Application Instructions**”. 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.

Curing and Sealing: After finishing operations are complete and the surface will not be marred by foot traffic, apply a Euclid Chemical curing compound, cure and seal or water cure according to product instructions. To produce an exceptionally durable and dustproof surface, cure with a dissipating or removable curing compound such as KUREZ DR VOX or KUREZ RC, then seal with EUCO DIAMOND HARD or ULTRASIL Li+.

CLEAN-UP

Clean tools and equipment with soap and water before material hardens.

PRECAUTIONS / LIMITATIONS

- The use of supplementary cementitious materials are not recommended for use with a dry shake hardener
- For additional abrasion resistance beyond that offered by SURFLEX E consider the use of EUCO-PLATE HD an iron aggregate floor hardener.
- Sufficient manpower is required to produce consistent results on large placements.
- Important: Air-entraining admixtures may complicate finishing operations and cause blistering. Contact The Euclid Chemical Company if applied over air entrained concrete with more than 3% total air content.
- Store product in a dry place.
- In all cases, consult the Safety Data Sheet before use.

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