



EUCLID CHEMICAL

SURFLEX TR

NON-METALLIC, TRAP ROCK FLOOR HARDENER

DRY SHAKE FLOOR HARDENERS

DESCRIPTION

SURFLEX TR is a special formulation of finely graded trap rock aggregates, plasticizers and a cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. SURFLEX TR has been designed to give increased abrasion resistance to both interior and exterior floors and slabs.

PRIMARY APPLICATIONS

- Loading docks
- High wear floors and aiseways
- Factory and warehouse floors
- Commercial and industrial facilities
- Restaurants and dairies

FEATURES/BENEFITS

- 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 TR outdoors as well as indoors

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Compressive Strength ASTM C 109, 2 in. (50 mm) cubes

Mixed at 5.38 lb (2.44 kg) of water per 50 lb (22.7 kg) bag

psi (MPa)

7 days.....10,000 (69.0)

28 days.....13,000 (89.7)

Relative Abrasion Resistance ASTM C 779

Abrasion @ 30 min. Abrasion @ 60 min.

7 days 0.013" (0.33 mm) 0.035" (0.89 mm)

28 days 0.008" (0.20 mm) 0.032" (0.81 mm)

Appearance: SURFLEX TR is a free flowing powder as packaged. It is available in a natural cement color only. The final troweled appearance can be any texture consistent with that expected from concrete and should be specified by the owner.

PACKAGING

SURFLEX TR is packaged in 55 lb (24.9 kg) bags

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS/COMPLIANCES

Canadian Food Inspection Agency compliant

COVERAGE

SURFLEX TR may be applied at rates from 0.75 to 2.0 lb/ft² (3.7 to 9.8 kg/m²). The higher the application rate the better total abrasion resistance. Greater application rates may be used with special considerations. Contact your Euclid Chemical Company representative for recommended procedures.

SURFLEX TR

MASTER FORMAT #:
03 35 16

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 curing compound such as KUREZ DR VOX, then densify with EUCO DIAMOND HARD.

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
- Interior concrete must be non air-entrained. For exterior, air-entrained concrete, contact The Euclid Chemical Company for special instructions.
- For additional abrasion resistance beyond that offered by SURFLEX TR consider the use of EUCO-PLATE, an iron aggregate floor hardener.
- Store in a dry place.
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- In all cases, consult the Safety Data Sheet before use.

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