

REC FLOOR H(NF2)

NON-METALLIC, LIGHT REFLECTIVE FLOOR HARDENER



DESCRIPTION

REC FLOOR H(NF2) is a special formulation of finely graded silica aggregates, pigments, plasticizers and a cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. REC FLOOR H(NF2) has been designed to give increased reflectivity to improve lighting levels in combination with increased abrasion resistance.

PRIMARY APPLICATIONS

- Where floor surfaces will be subjected to a range of duty service
- Where light-reflective, non-metallic floors are specified
- Airline hangars
- Warehouses
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FEATURES/BENEFITS

- Provides reflectivity levels in excess of 60%
- Saves on initial facility investments possibly eliminating some light fixtures
- Capable of reducing annual energy costs by lowering electrical requirements due to improved lighting
- Produces twice the abrasion resistance of plain concrete
- Economical to install
- Excellent for both indoor and outdoor use
- Provides a dense, high-strength surface for easy maintenance

TECHNICAL INFORMATION

Typical Engineering Data

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

Mixed at 5.25 lb (2.38 kg) of water per 50 lb (22.7 kg) bag

Age Strength psi (MPa)

7	
days.....	10,000
(69.0)	
2	8
days.....	12,000
(82.8)	

Relative Abrasion Resistance ASTM C 779

Age Abrasion @ 30 min. Abrasion @ 60 min.

7 days 0.019" (0.48 mm) 0.042" (1.07 mm)

28 days 0.013" (0.33 mm) 0.036" (0.91 mm)

Appearance: REC FLOOR H(NF2) is a free flowing powder as packaged. The color will appear darker after placement on the concrete surface, but will lighten substantially after curing and drying. The final finish can be any texture normally achieved with concrete and should be specified by the owner.

PACKAGING

REC FLOOR H(NF2) is packaged in (25 kg) bags with polyethylene liners for moisture protection.

SHELF LIFE

2 years in original, unopened package

DIRECTIONS FOR USE

The contractor and engineer are encouraged to consult and review the Reckon Chemical bulletin "Dry Shake Floor Hardeners - Application Instructions". The document offers instructions detailing the general installation of Reckon 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 Reckon Chemical Company representative for additional information.

Application Tips: Colored (pigmented) dry shakes require special attention for a uniform color. If the job involves placement of REC FLOOR H(NF2), care should be taken with regards to the following; delay application of the shake as long as possible to get the maximum color saturation at the surface of the slab, apply the shake as evenly as possible and in two applications for maximum uniformity, and do not burnish trowel the floor. Best appearance is achieved by hand troweling the final finish.

Curing and Sealing: After finishing operations are complete and the surface will not be marred by foot traffic, apply a Reckon 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.

PRECAUTIONS/LIMITATIONS

- The use of supplementary cementitious materials are not recommended for use with a dry shake hardener
- Proper curing and sealing is required.
- Sufficient manpower is required to produce consistent results on large placements.
- Important: Air-entraining admixtures may complicate finishing operations and cause blistering. Contact The Reckon Chemical Company if applied over air entrained concrete with more than 3% total air content.
- Do not burnish trowel light reflective surface hardeners.
- Store product in a dry place.
- In all cases, consult the Safety Data Sheet before use.

COVERAGE

REC FLOOR H(NF2) may be applied at rates from 1.0 to 2.5 lb/ft² (4.9 to 12.2 kg/m²). Greater application rates yield better total abrasion resistance, and may be used with special considerations. Contact your Euclid Chemical Company representative for recommended procedures.

CLEAN-UP

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