

REC FLOOR H (NM)

NON-METALLIC LIGHT-REFLECTIVE FLOOR HARDENER

DESCRIPTION

REC FLOOR H (NM) is a specially formulated blend of finely graded silica aggregates, pigments, plasticizers, and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior applications. **REC FLOOR H (NM)** is designed to provide increased light reflectivity, helping to improve lighting levels while also providing enhanced abrasion resistance.

PRIMARY APPLICATIONS

REC FLOOR H (NM) is suitable for:

- Floor surfaces subjected to a range of service conditions.
- Applications requiring light-reflective, non-metallic floor surfaces.
- Aircraft hangars.
- Warehouses.

FEATURES AND BENEFITS

- Provides reflectivity levels of more than 60%.
- May reduce initial facility investment by potentially reducing the number of required light fixtures.
- May reduce annual energy consumption by lowering electrical requirements through improved lighting efficiency.
- Provides approximately twice the abrasion resistance of plain concrete.
- Economical to install.
- Suitable for both interior and exterior applications.
- Produces a dense, high-strength surface for easier maintenance.

TECHNICAL INFORMATION

Appearance	Free Flowing Powder		
Compressive Strength (ASTM C109)	10,000 psi (69.0 MPa) At 7 Days		
	12,000 psi (82.8 MPa) At 28 Days		
Surface Hardness	9.0 Mohs		
Bond Strength	8.4 N/mm ²		
Mixed Density (25°C)	2.05 Kg/L		
Foot Traffic	72 Hours		
Relative Abrasion Resistance (ASTM C779)	Age	7 Days	28 days
	30 minutes	0.48 mm	0.33 mm
	60 minutes	1.07 mm	0.91 mm

NOTE: The color may appear darker immediately after placement on the concrete surface but will lighten substantially during curing and drying. The final finish may have any texture normally achievable with concrete and should be specified by the project owner.

DIRECTIONS FOR USE

a. APPLICATION

Colored (pigmented) dry-shake materials require special attention to achieve uniform color.

While applying **REC FLOOR H (NM)**, following steps should be considered:

- Delay application of the dry shake as long as practical to achieve maximum color saturation at the slab surface.
- Apply the material as evenly as possible.
- Apply in two applications to improve color uniformity.
- Do not burnish-trowel the floor.
- For the best appearance, hand-trowel the final finish.

b. CURING

After finishing operations are complete and the surface will not be damaged by foot traffic, apply a suitable curing compound should be used in accordance with the applicable product instructions and compatibility. For an exceptionally durable and dustproof surface, use curing compound of RECKON CHEMICALS PVT LTD.

c. COVERAGE

REC FLOOR H (NM) may be applied at rates of 4–12 kg/m².

Higher application rates may provide increased overall abrasion resistance and may be used where appropriate, subject to special application considerations.

For any assistance, consult Technical Department of RECKON CHEMICALS PVT LTD. LAHORE.

d. PRECAUTIONS AND LIMITATIONS

- The use of supplementary cementitious materials (SCMs) is not recommended with dry-shake hardeners.
- Proper curing and sealing are required.
- Air-entraining admixtures may complicate finishing operations and may cause blistering. Contact RECKON CHEMICALS PVT LTD. before application over air-entrained concrete containing more than 3% total air content.
- Do not burnish-trowel light-reflective surface hardeners.
- Store the product in a dry place.

*Clean tools and equipment immediately after application with soap and water before the material hardens.

PACKAGING

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

SHELF LIFE

One year in the original, unopened package when properly stored.

HEALTH & SAFETY

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

DISCLAIMER

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