



CLI Floor NM 40

Non-Metallic Floor Hardener

Pack Size
25Kgs

TDS
Technical Data Sheet



Product Description

CLI Floor NM 40 is a preblended, one-part, colored mineral dry shake hardener designed to enhance the durability and wear resistance of concrete floors. This product is composed of cement, carefully selected natural mineral aggregates, admixtures, and pigments. When applied to fresh, wet concrete and trowelled in, CLI Floor NM 40 creates a dense, smooth, and extremely hard-wearing surface that is both abrasion-resistant and aesthetically appealing.

Uses

CLI Floor NM 40 is intended for use by experienced professionals in areas where floors are subjected to heavy mechanical wear. It is suitable for a wide range of applications, including:

- Warehouses
- Factories
- Shopping malls
- Public areas
- Restaurants
- Museums
- Parking lots
- Garages and service stations

Characteristics / Advantages

- Ready to use
- High wear and impact resistance
- Cost-effective surface hardener
- Dust-proofing properties
- Non-metallic and rust-free
- Easy to clean
- Enhanced resistance to oils and grease
- Quality-assured factory blending
- Suppresses superficial fibers in concrete

Technical Information

| Property | Results | Test Method |
|----------------------|-------------------------------|------------------|
| Abrasion Resistance | ~1.70 mm wear loss | IS:1237 |
| Surface Hardness | Between 8 and 9 (Moh's scale) | IS:13630 Part 13 |
| Compressive Strength | ≥ 70 N/mm ² | IS:4031 Part 6 |

Application Information

| | |
|--------------------------------|--|
| Consumption: | Light Duty: 3.5-4.0 kg/m ² Medium Duty: 4.5-5.0 kg/m ² Heavy Duty: 5.5-6.0 kg/m ² |
| Layer Thickness: | 2.5-3.0 mm at a dosage of ~5.0 kg/m ² |
| Ambient Air Temperature: | +5°C min. / +35°C max. |
| Relative Air Humidity: | 30% min. / 98% max. |
| Substrate Temperature: | +5°C min. / +35°C max. |
| Applied Product Ready for Use: | Foot Traffic: ~72 hours Fully Serviceable: ~7 days |

The above values are based on a substrate temperature of +27°C and are dependent on the concrete reaching its design strength for serviceability. They may be affected by changing ambient conditions, particularly temperature and relative humidity.

Cleaning

To maintain the appearance of the floor after application, CLI Floor NM 40 should have all spillages removed immediately and must be regularly cleaned using rotary brushes, mechanical scrubbers, scrubber dryers, high-pressure washers, or vacuum techniques, with suitable detergents and waxes.

Limitations

- Do not apply the dry shake powder in strong wind or dry conditions.
- Variations in concrete characteristics, such as water content and cement type, may lead to slight color variations.
- Dry shake hardeners may produce a finish with some color variation due to the natural variability of the concrete.
- To ensure optimal color consistency, maintain a clean and protected environment during floor laying operations.
- Color variation during the drying period is normal and should be expected.
- Even application of CLI Floor NM 40 is critical, with correct timing and trowelling techniques essential.
- At low relative humidities, efflorescence may appear on the surface.
- At high relative humidities, bleeding, slower curing, and extended finishing operations may occur.
- For mechanical application, use an automatic spreader in conjunction with a laser screed to evenly apply CLI Floor NM 40 immediately after screeding.
- After application, avoid exposing the treated surface to water and protect it from rain or contaminants.

Basis of Product Data

All technical data provided in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Local Restrictions

Please note that specific local regulations may cause the declared data for this product to vary from country to country. Consult the local Product Data Sheet for the exact product data.

Pack Size
25kg



Data Reliability

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Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.