

Carbolink's Solutions for Floor Hardener

CLI Floor M - 4DF



Floor Hardener Product Specifications & Technical Data Sheets(TDS)

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

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Carbolink India Pvt. Ltd. COMPANY PROFILE



For years, Carbolink India has been the Quality Leader in offering excellent Construction Chemical Products with Supreme Quality and Reliability.

Carbolink India Manufactures Industrial Flooring(Epoxy & PU Flooring), Decorative Flooring, 3D Flooring, Waterproofing Systems, corrosion protection, wood coatings, etc. which cater specifically to the Indian climate. With manufacturing facility in India, Carbolink India manufactures and supply Materials all through the country. Carbolink's commitment to customer service and technical support is the best. We work closely with architects, structural engineers, contractors and owners to best understand their requirements. Together we develop a best solution for a construction project, adding value and becoming more than just a materials supplier, but a solution provider.

With the support of our multinational manufacturing group, Carbolink India today has support centers across the country, strategically placed to provide consistent high standards of product and service.

Our Product Range:

- Anti Corrosive Coatings
- Car Park Flooring
- Curing Compounds
- Decorative Flooring
- Floor Hardner
- Grouts & Anchors



- Industrial Flooring
- Repairing Compunds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Floor Hardener

Floor Hardener is a quartz-silica mixture of finely graded non-metallic aggregates, plasticizer and cement binder. It is particularly valuable because of its non-rusting characteristics when floors will be frequently wet. Floor Hardener provides a dense, tough surface capable of withstanding the abrasion and impact loading seen by floors slabs of numerous industrial and manufacturing facilities.

Carbolink manufactures a full range of world class Floor Hardener systems providing the most up-to-date technologies. Carbolink India is a leader in tailored Floor Hardener Solutions.

Here is our Technical Description of CLI Floor M - 4DF :





CLI FLOOR M - 4DF

Non-Oxidizing, Heavy Duty Metallic Floor Hardener

DESCRIPTION

CLI Floor M - 4DF is a dry shake, metallic floor hardener with cleaned and graded, non-oxidizing metallic aggregate in a high strength cementitious binder. Designed to be incorporated into fresh concrete slabs. CLI Floor M - 4DF provides a dense, tough surface capable of withstanding the abrasion and impact loading seen by floors slabs of numerous industrial and manufacturing facilities.

CLI Floor M - 4DF has been specially formulated with a non-rusting aggregate for increased abrasion resistance in areas subject to frequent moisture or water exposure. CLI Floor M-4DF can also be mixed in a mortar consistency and placed along joints to provide shoulder reinforcement.

ADVANTAGES

- Provides a high strength wearing surface in areas subjected to constant or frequently wet conditions without oxidizing
- Gives up to 6 times the abrasion resistance of plain, cured concrete
- Metallic aggregate is free of rust, oil or other contaminants
- Dense surface resists penetration of oil, grease, and many other liquids
- Virtually non-dusting in service, easy to clean and maintain
- Economical to own over the life of the floor
- Can be applied at coverage rates upto 14.6 kg/m²

APPLICATION

- Industrial Floors
- Warehouses
- Processing Plants like fertilizer/ Petrochemical units
- Vehicle maintenance shops
- Loading Docks
- Main, High Traffic Aisle ways/ Gangways
- Machine Shops
- Breweries & Bottling plants
- Joint shoulders reinforcement

APPLICATION METHODOLOGY

- For 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. Base concrete should have minimum cement level or 300 kg/m³ and slump @ 50 to 70 mm. It should be minimum 50 mm thick in case of manual finish & 100 mm thick in case of power trowel finish.
- Diamond-Plate may also be used as a mortar in constructing armored floor joints. These joints provide added wear resistance at joint edges increasing the serviceable life of the floor.
- CLI Floor M - 4DF may be applied at rates from 4.9 – 12.2 kg/m² .Higher application rates yield better abrasion resistance. Greater application rates may be used with special considerations.

CHARACTERISTICS

Physical Appearance	Cementitious grey powder
Abrasion Resistance	Treated concrete will give 400 – 500 % better abrasion resistance than control concrete
Compressive strength – 28 days	69 Mpa
Theoretical Coverage, kg/m ²	
• Normal Traffic	3 - 5
• Heavy Traffic	6 - 12

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Ensure adequate ventilation and avoid inhalation of dust.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice.
Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

PACKING

Available in 50 kg bag.

STORAGE AND SHELF LIFE

Store in a cool dry place, under shed, away from heat. The shelf life of product is 9 months in original unopened sealed condition.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

**India's Most Trusted
Construction Chemical Manufacturing Brand**



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