



Technical Data Sheet

Description

Tek-Floor FHL is a clear liquid solution of metallic magnesium silica fluoride and penetrating agent. **Tek-Floor FHL** reacts chemically with the free lime present in the hardened concrete making it more dense, dust proof and makes it resistant to chemicals and abrasion.

Advantages

- Good resistance to alkalies, acids and oils
- Chemically reacts with hardened concrete to give dust proof and hard surface
- Ready to use and no mixing at site required
- Can be over coated with oil or emulsion paint

Uses

- Can be used in any concrete or any cement bound surface particularly where surface is subjected to abrasion due to foot, traffic or chemical spills
- Used in industrial floors such as warehouses, car parks, drive ways, showroom, basements
- Also used to treat walls, tanks, dams, silos etc

Physical Properties*

Property	Typical Results
Abrasion Resistance (Depth of wear after 20 minutes, mm)	1.098
Chemical resistance	Resistant to mild acids, caustic, soaps, bleach, solvents, oils, grease etc
*The above properties are average laboratory values	

Packing

Tek-Floor FHL is available in 20 liter pails and 200 liter drums

Theoretical Coverage

5-7 m² / liter depending upon the areas of application and substrate porosity.

Shelf Life

12 months when stored in factory packed unopened kit in a cool dry and elevated place away from direct sunlight excess humidity and at a temperature not more than 35°C.

Application Guidelines

Spraytek provides detailed method statements on all its products for use in various areas of applications. These must be referred to prior to carry-out the works. The information below is intended for guidance only.

Surface Preparation

The new concrete should be at least 7-14 days old. The surface should be sound, clean, dry and free from any dirt, loose debris, oils, grease, curing compounds sealers etc. **Tek-Floor FHL** is best used for old, porous concrete surfaces.

Application

The surface should be saturated with **Tek-Floor FHL** and spread using a soft broom or squeegees at the rate of 6-7 square meter per liter. Puddles should be distributed in order to avoid white crystals concentrating on one area. Allow to dry before application on second finishing coat.

After the first coat has dried, saturate the surface again with **Tek-Floor FHL** and spread using a soft broom or squeegee at the same rate.

After the second coat is dried, saturate the treated surface with clean water and scrub using stiff brush in order to remove excess crystalline deposits which may be formed. Mechanical scrubbing will also assist fast removal.

Surface can be opened to traffic immediately after drying. If surface is painted, allow at least 48 hours drying time before application.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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