

CAT No. FLR-13-2010

# ISOLITH-MF

## Chemical Hardener and Dustproof

**ISOLITH-MF** is a liquid, clear solution of metallic magnesium silicofluoride and penetrating agent. **ISOLITH-MF** chemically reacts with the free/excess lime in hardened concrete making it more dense, dust proof, hard and resistant to abrasion and chemical spills. The penetrating agent ensures greater penetration than with conventional hardeners.

### USES

**ISOLITH-MF** is used on virtually any concrete or cement-bound surface particularly those subject to abrasion from foot and wheel traffic and chemical spills. It is used on industrial floors such as warehouse, food processing, loading bays, car parks, drive ways, abattoirs, showroom, basements. It is also used to treat walls, tanks, dams, silos etc.

### ADVANTAGES

- Hardens and dustproofs concrete surface by chemical reaction.
- Extends floor life indefinitely.
- Resistant to alkalis, acids, oils, salts.
- Treated concrete are more abrasion resistant than those without treatment.
- Ready-to-use, No mixing at the site.

### TYPICAL PROPERTIES

Abrasion Resistance. (ASTM C779 METHOD C),  
Depth of Wear after 20 minutes, mm

No Treatment

with ISOLITH MF

2.850

1.098

Resistance to Chemical Spills

**ISOLITH MF** is resistant to mild acid, caustic soda, Calcium chloride, soaps, bleach, solvents, oils, grease etc.  
For specific chemicals not listed, please consult ISOLA).

### DIRECTIONS FOR USE

#### SURFACE PREPARATION

New concrete should be at least 14 days old. In general, surface should be sound, clean and free from dirt, loose debris, oils, grease curing compounds, sealers or previous coatings, **ISOLITH MF** is best used on old, porous concrete substrate.

#### APPLICATION

**ISOLITH MF** is ready to use and requires no mixing /dilution at the site.

#### First Coat

Saturate the concrete surface with **ISOLITH MF** and spread using soft broom or squeegee at the rate of 6.5 square meters per liter. Puddles should be redistributed to avoid white crystals concentrating on one area. Allow to dry prior to applying second/final coat.

(Notes\* Drying time is dependent on porosity of substrate, ambient temperature, humidity and varies from 4-10 hours.)

#### Second Coat

After the first coat has dried, again saturate the treated surface with **ISOLITH MF**. Spread using soft broom at the same rate. Allow to dry. After second coat has dried, saturate the surface with clean water and scrub using stiff brush to remove any excess white crystalline deposits which may have formed. Sometimes one or two rinsing cycles may have to be done to remove white patches. Mechanical scrubbing will also assist fast removal. Surface can be opened to traffic immediately after drying. If surface will be painted, allow at least 48 hours drying time before application.

### PACKING

ISOLITH-MF is packed in 20 liter pails and 200 liter drums.

### SHELF LIFE

At least one (1) year in original container stored in a dry place.

### CAUTION

Chemicals are hazardous to a lesser or greater extent. As a matter of safety and precaution, always wear protective clothing, eye goggles and rubber gloves when handling chemicals. Accidental splashes on the skin should be washed immediately with water and soap. Eyes splashes should be cleaned with water. Seek medical attention. When ingested, seek medical treatment immediately. Refer to MSDS for further details.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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