

BUILDING CHEMICALS SPECIALISTS

UNI -O- LITH

Liquid Floor Hardener Dust Proofer

PRODUCT DESCRIPTION

USES

Uni-O-Lith is a solution of magnesium and/or zinc fluosilicates in water. When applied to cured concrete, it will produce a dense, hard and dustproof surface. This mineral reinforcement produces a dense surface that significantly reduces the absorption of water, oils greases, salts, chlorides and sulphates. Liquid fluosilicates are used when the cost of metallic or aggregate toppings cannot be justified.

Advantages

- Economical, one time treatment for life of floor.
- Highly resistant to salts, de-icing agents, solvents and water.
- Effective against most acids, fungus, marine growth, mildew, alkalis, fuels, solvents, fatty acids, vegetable oils, grease, mineral oils, synthetic organic acids, sugars and syrups.
- Equally effective on exterior or interior concrete surfaces.
- Chemical hardening action occurs immediately and in depth, leaving no surface film or discoloration.
- Easy to apply by spray, long handled pushbroom or squeegee.

Limitations

Uni-O-Lith liquid hardener should not be applied until concrete floors have cured at least 28 days and are free of any material or substance which will impair the penetration of the solution (water, paper, or polyethylene are preferred curing methods). If a membrane curing compound has been used, the concrete surface should be scrubbed with a solution of trisodium phosphate (TSP), 0.12 kg/litres of water before application of liquid hardener. Be certain surface is thoroughly dry before applying **Uni-O-Lith**.

Do not use on colored concrete because it will leave a non-uniform appearance. Do not allow hardener to puddle and dry on the surface because it will crystallize and form unsightly blotches which are difficult to remove.

APPLICATION

Surface Preparation

Floors shall be clean and dry to permit maximum penetration. The use of curing compounds and/or bond-breakers may interfere with penetration. Test for absorption before applying **Uni-O-Lith**.

Old Concrete

Excessively worn floors or those badly eroded by acids and other spillages must be checked to determine the soundness of using fluosilicates. Other products may be available to meet these conditions.

Application

For best results apply with a brush or squeegee. If white crystals develop after the first or second coat. It is a sign of too strong a solution or that the surface has reached maximum hardness. If this occurs the application should be stopped and the surface flushed with clean hot water, brushed with a stiff bristle broom then allowed to dry.

Coverage Chart

The number of applications required and the dilution ratios for each application varies according to the condition of the surface. Coverage ratios are for **Uni-O-Lith** after it has been diluted.

Type of Surface	Coverage (M2/litr)	Applications*	Water	Dilution Ratio*(by volume) Uni-O-Lith		
Light or Moderate Duty Floor	2.5	3		2	: 1	First
				1	: 1	Second
				1	: 2	Third
Heavy Duty Or Dense Floor	2.5 – 7	3		3	: 1	First
				2	: 1	Second
				1	: 1	Third
Rough Finished Floor	2.5	3		2	: 1	First
				1	: 1	Second
				1	: 1	Third

* Recommendations for the number of applications and the dilution ratios are based upon average conditions.

Health & Safety

Care should be taken to prevent eye or skin contact. Wear proper protective clothing. If swallowed, do not induce vomiting. Call physician immediately. Magnesium/zinc fluosilicates should not be allowed to contact glass, metal, or painted surfaces, because it is corrosive. Flush with water immediately. Protect from freezing.

FRINICS CHEMICALS LTD
P.O. Box 12593, 2251 Latsia,
12, 28th October Street. Dhali Industrial Area, 2540
NICOSIA – CYPRUS
Tel: +357 22480653, +357 99354598
Fax: +357 22484729
Email: menikeas@frinics-chemicals.com.cy
Website: <http://frinics-chemicals.com.cy>