



LUMISEAL FX™

DS-172.5-0417

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

LUMISEAL FX™

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

LUMISEAL FX is a high solids, water-based, non-yellowing, blush resistant curing and sealing compound. When used as a sealer, LUMISEAL FX is designed to provide an attractive medium gloss finish on concrete substrates. LUMISEAL FX is formulated with advanced, self-crosslinking emulsion chemistry, providing a very durable film and excellent early water-resistance to whitening or blistering. LUMISEAL FX is suitable for use on interior, exterior, horizontal and vertical surfaces.

The durable film of LUMISEAL FX bonds easily to clean concrete surfaces and assures improved resistance to contaminants, stains, and abrasion. LUMISEAL FX offers superior protection when used over properly densified surfaces.

The advanced self-crosslinking chemistry of LUMISEAL FX transforms the easy-to-spray, pure acrylic polymer solution into a very hard, clear resin film that resists abrasion, and staining.

Uses

LUMISEAL FX is recommended to seal new and old concrete surfaces including decorative, colored, and stamped concrete. Other applications include exposed aggregate, brick pavers, polished concrete and other concrete surfaces where a durable gloss and stain resistant sealer is required.

Specification Description

03 39 13: Acrylic Curing Compound: Minimum 25% acrylic solids shall conform to ASTM C309, Type 1.

Advantages

- Non-blushing formula; resists whitening
- Non-yellowing, pure acrylic formulation
- Resists black tire marks
- Low odor
- Use on any clean concrete surface
- Medium gloss
- Versatile indoor and outdoor use

Suitable Substrates

- Freshly Placed Concrete
- Existing Concrete

Packaging

1 Gal (3.8 L)

5 Gal (19 L)

55 Gal (208 L)

Approximate Coverage

Surface porosity determines coverage rate. For best results:

First coat, - 200-400 ft²/gal (4.9 to 9.8 m²/L)

Second coat, - 400-600 ft²/gal (9.8 to 14.7 m²/L)

Decorative concrete - 300 ft²/gal (7.3 m²/L)

Top coat for polished concrete: 800-1,000 ft²/gal (20 to 25 m²/liter)

Shelf Life

Containers are to be kept tightly sealed. **Do not freeze.** Store above 40°F (4°C). Stir well before using as some settlement will occur during storage. Shelf life is one year in factory-sealed containers when properly stored.

Limitations

- Heavy applications should be avoided for proper film formation.
- For proper film development, apply only when the surface temperature is over 40°F (4°C) and the relative humidity is below 80%.

Cautions

- Use with adequate ventilation
- Avoid contact with skin, eyes and clothing
- Wear skin and eye protection
- Wash thoroughly after handling
- Do not take internally
- Enhanced air circulation is desired to improve the drying rate and to remove organic solvent vapors
- Review Safety Data Sheet (SDS) for product safety information

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Applicable Standard

ASTM C 309, Type 1

Physical and Working Properties

Property	Observed
Solids	25%
Alkali Resistance (number of hours, Method #6081, minimum)	>75 hours
Salt Spray 5% Resistance	>750 hours
Dry Time, set to touch	60 minutes
Surface Gloss (2 Coats)	Medium/High
Ultraviolet Resistance (2500 angstrom lamp), 1000 hrs.	0 (Excellent)
VOC	<120 g/L
Color	Milky white liquid, dries clear

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Freshly placed concrete

Surface must be finished to specified requirements prior to the application of LUMISEAL FX™. Apply one uniform coat with low pressure spray and roller after surface water glaze has disappeared. Do not dilute or puddle. A second sealing coat may be applied any time afterward. Apply to freshly poured concrete after surface water has evaporated. Too much surface water can be detrimental to proper film formation.

Existing Concrete

Surface must be degreased and cleaned of all contaminants with CITREX™ prior to the application of LUMISEAL FX. Dilute with 25-50% water before applying to polished concrete. After dry, apply one or two uniform coats using a microfiber applicator, without puddling, as

needed. Allow first coat to dry 2-3 hours before applying the second coat. Dry to the touch in 1 hour. Can be ready for foot traffic in 12 hours. When re-sealing driveways, recommended wait time is 24 hours for vehicular traffic. May require additional coats. **NOTE:** LUMISEAL FX can be applied as a topical sealer on FGS PERMASHINE polished concrete.

Cleaning

Clean applicator equipment with water before sealer dries. After it dries, use aromatic solvent.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

www.lmcc.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

The long term performance, appearance, and life expectancy of surface sealing products are critically dependent upon a good routine maintenance program designed specifically for the installed sealer type, traffic, and other conditions. Properly placed walk-off mats, inside and outside will help increase the life of the floor. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time. Reapplication may be necessary in heavy traffic areas with greater frequency.

Periodic light applications are recommended to maintain gloss and protection.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 176.6: CITREX