

## LUMISEAL FX™

Blush Resistant, Non-yellowing, Water-Based Acrylic Sealing Compound

### MANUFACTURER

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### PRODUCT DESCRIPTION

LUMISEAL FX is a water-based, non-yellowing, blush resistant curing and sealing compound designed to provide attractive, high gloss sealing qualities that are totally resistant to discoloration from ultraviolet light exposure. LUMISEAL FX is formulated with advanced low-VOC, self-crosslinking emulsion chemistry, providing a very durable film and excellent early water resistance to blush, whitening or blistering. LUMISEAL FX is suitable for use on interior and exterior horizontal surfaces.

The durable surface film of LUMISEAL FX bonds well to clean, sound concrete surfaces. It forms a non-yellowing membrane and develops good to excellent resistance to contaminant penetration and abrasion. Surface preparation of previously sealed concrete surfaces is simple and easy to accomplish. This product is ideal for sealing and resealing decorative, stamped and colored concrete.

**Basic Use:** LUMISEAL FX is recommended to seal new and old concrete surfaces, including decorative, colored and patterned concrete patios, driveways and walkways. Other applications include exposed aggregate, brick pavers, precast and other surfaces where a durable gloss and non-yellowing sealer is required.

The advanced, self-crosslinking chemistry of LUMISEAL FX transforms the easy-to-spray polymer solution into a very hard resin film that resists abrasion and hot tire marking. For that reason, we recommend its use on concrete floors found in warehouses, office buildings, food processing plants, distilleries, wineries, and other areas where durable sealing and dustproof performance are required.

### FEATURES & BENEFITS

- Non-blushin formula, resists whitening.
- Non-yellowing, pure acrylic formulation.
- Resists black tire marks.
- Low VOC, Low odor
- Recommended for interior and exterior use.
- Compatible with previously sealed concrete with minimal preparation.
- Contains only non-APEO raw materials.

### ESTIMATING

LUMISEAL FX is available in 1 gallon (3.8 liter), 5-gallon (18.9 liter) pails, and 55-gallon (208 liter) drums.

Each container is clearly identified with batch number and product name.

#### Typical coverages rates:

(depending on texture and porosity)

First coat, curing - 200-400 ft<sup>2</sup>/gal (5 to 10 m<sup>2</sup>/liter)

Decorative concrete - 300 ft<sup>2</sup>/gallon (7.5 m<sup>2</sup>/liter)

Second coat, gloss - 400-600 ft<sup>2</sup>/gal (10 to 15 m<sup>2</sup>/liter)

### TECHNICAL DATA

#### Applicable Standards:

ASTM C 309 Type 1  
VOC Compliant  
USDA Accepted

#### Typical Properties:

Total Solids, % Minimum.....	25
Coverage Rate, sq. ft./gal (m <sup>2</sup> /liter)	300 (7.5)
Alkali Resistance (number of hours, Method #6081, minimum.....)	>75
Salt Spray 5% Resistance, hours.....	>750
Dry Time, set to touch, minutes.....	60
Surface Gloss (2 Coats).....	Medium/High
Ultraviolet Resistance (2500 angstrom lamp), 1000 hrs.....	0 (Excellent)
VOC, gms/liter.....	<100
Color.....	Milky white liquid, dries clear

### INSTALLATION

**New Concrete:** 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, remove flaking and discolored sealers.

**Recoating Existing Concrete:** Degrease and clean surfaces of all contaminants and stains. Allow surface to dry. In hot and warm conditions, keep surface slightly damp with water prior to application. Apply one or two uniform coats, without puddling, as needed. Allow first coat to dry before applying second coat, between 2-3 hours.

**Clean Up:** Clean applicator equipment water before sealer dries. After it dries, use aromatic solvent.



**LUMISEAL FX**



## FOR BEST RESULTS:

- LUMISEAL FX should be applied in thin, even coats. Heavy applications should be avoided for proper film formation. Enhanced air circulation is desired to improve the drying rate and film properties and to remove organic solvent vapors.
- Drying of LUMISEAL FX is accomplished by the simultaneous evaporation of water and volatile organic components. For proper film development, apply only when the surface temperature is over 40° F (5°C) and the relative humidity is below 80%.
- Apply to freshly poured concrete after surface water has evaporated. Too much surface water can be detrimental to proper film formation.
- **DO NOT FREEZE.** Do not apply or store in subfreezing weather unless properly protected.
- Periodic, light applications are recommended to maintain gloss and protection.

## PRECAUTIONS

Contains minimal VOC organic solvents. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Wear skin and eye protection. Wash thoroughly after handling. Do not take internally. Do not return unused material to container. Remove foodstuffs from interior application area prior to installation. Return food only after the area is odor free.

Please refer to Product Material Safety Data Sheet (MSDS) before using.

## STORAGE/SHELF LIFE

LUMISEAL FX drums are to be kept tightly closed and stored in a clean, dry area at temperatures 40° F-85° F (5° C-29° C). Do not freeze. Shelf life is one year in factory sealed containers when properly stored

## WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit [www.lmcc.com](http://www.lmcc.com) and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

## LIMITED WARRANTY

*This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein 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, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.*

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