

LUMISEAL WB LUMISEAL WB PLUS™

Non-Yellowing, Water-Based Acrylic Curing and Sealing Compound

MANUFACTURER

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PRODUCT DESCRIPTION

LUMISEAL WB formulations are VOC compliant, non-yellowing, waterbased, curing/sealing compounds designed to provide medium to high gloss sealing qualities that are totally resistant to yellowing from ultraviolet exposure. **LUMISEAL WB** is suitable for use on both interior and exterior horizontal and vertical surfaces.

The tough impervious film of **LUMISEAL WB** bonds well to clean, sound concrete surfaces forming a non-yellowing membrane that assures good water retention and improved resistance to contaminant penetration.

Basic Use: **LUMISEAL WB** and **LUMISEAL WB PLUS** are designed to cure and seal normal concrete surfaces as well as colored and patterned concrete, driveways, walkways, exposed aggregate, brick, precast and other surfaces where a medium to high gloss, non-yellowing sealer is required.

Other LUMISEAL WB applications: Warehouses, office buildings, packing, and food processing plants, distilleries, wineries, dairies, breweries, soft drink bottling plants, and other areas where positive sealing and dustproof performance are demanded.

FEATURES & BENEFITS

- Non-yellowing, pure acrylic formulation.
- Excellent curing and sealing properties.
- Resists black tire marks.
- Low odor.

ESTIMATING

LUMISEAL WB 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:

First coat, curing - 300-400 ft²/gal (7.5 to 10.0 m²/liter)
Second coat, gloss - 400-600 ft²/gal (10 to 15 m²/liter)
Stamped concrete - 300 ft²/gallon (7.5 m²/liter)
Exposed aggregate - 200 ft²/gallon (5 m²/liter)

TECHNICAL DATA

Applicable Standards:

ASTM C 309 Type 1
ASTM C 1315, Type 1, Class A (**LUMISEAL WB PLUS**)
VOC Compliant
USDA Accepted

Typical Properties:

	<u>WB</u>	<u>WB PLUS</u>
Total Solids, % Minimum	18	25
Unit Moisture Loss (kg/m ² @ 72 hrs.),	< 0.55	< 0.4
Coverage Rate, ASTM C 156 ft ² /gal.(m ² /liter)	200(5)	300 (7.5)
Alkali Resistance, hours min.	>50	>75
Salt Spray, 5% @ 95°F (35° C), hrs.	>500	>750
Surface Gloss (two coats)	Medium	Medium/High
Ultraviolet Resistance, (2500 angstrom lamp), 1000 hrs.	0 (Excellent)	0 (Excellent)
VOC-grams/liter	<100	<100
Color - Milky white liquid, dries	Clear	Clear
Complies with:		
ASTM C 309	Yes	Yes
ASTM C 1315	No	Yes (Class A)

INSTALLATION

Surface Preparation: Fresh concrete surfaces are ready to receive **LUMISEAL WB PLUS** after surface water glaze disappears. Old concrete must be free of oil, dirt, waxes or other foreign materials.

Fresh concrete: Apply with low pressure spray, roller, or applicator after surface water glaze has disappeared. Do not dilute or puddle. Apply two uniform, thin coats. Allow 2-3 hours between coats.

Old or new hardened concrete: Degrease and clean surfaces of all contaminants with **L&M CITREX**. Flush off with water. In hot and warm conditions, keep clean surface slightly damp with water prior to application. Apply two uniform coats without puddling. Allow first coat to dry between 2-3 hours before applying second coat.

Cleanup: Clean application equipment with water before sealer dries. After it dries, use aromatic solvent.



LUMISEAL WB • WB PLUS



FOR BEST RESULTS:

- **LUMISEAL WB** should be applied in thin, even applications. 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 WB** products is accomplished by the simultaneous evaporation of water and volatile organic components. For proper film development, apply only when the surface temperature is over 45°F (7°C) and the relative humidity is below 80%.
- Too much surface water can be detrimental to proper film formation. Apply to freshly poured concrete after surface water has evaporated.
- Do not apply over standing water. Apply to clean surfaces that allow penetration.
- **DO NOT FREEZE.** Do not apply or store in subfreezing weather unless properly protected. Remove water and allow to dry. Dry film will clear in a short time.
- Treated surfaces are compatible with most paints and tile adhesives after a proper drying period of seven days or longer. Test for compatibility.
- **LUMISEAL WB** and **LUMISEAL WB PLUS** film gloss will fade in exterior applications. Overtime, periodic, light applications may be necessary to maintain gloss and protection.

PRECAUTIONS

Contains minimal 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 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

Keep drums tightly closed and stored in a clean, dry area at temperatures 45°F-85°F (6°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 and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime -

anywhere!

SHORT SPEC

033000: Acrylic curing and sealing compound: Non-yellowing, acrylic solids, curing compound; shall conform to ASTM C 309, be VOC compliant, and meet all local air quality regulations. "**LUMISEAL WB**" as manufactured by L&M Construction Chemicals, Inc.

033001: High solids, acrylic curing and sealing compound: Minimum 25% non-yellowing, acrylic solids curing compound; shall conform to ASTM C 309 and ASTM C 1315, Type I, Class A, be VOC compliant, and meet all local air quality regulations. "**LUMISEAL WB PLUS**" as manufactured by L&M Construction Chemicals, Inc.

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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