

Q: Why do concrete sealers whiten and blush?

When I finish concrete with a clear sealer, a white, filmy stain appears on the concrete surface. No matter how hard I try, this whitening can't be removed. What causes this and what can I do to eliminate it?

A: First, the good news:

Even when you see whitening, like in the picture on the left, the concrete is okay.



Now, the bad news:

Concrete whitening (blushing) is actually a moisture-induced chemical reaction with the sealer. So, technically, it's not 'concrete whitening', it's actually 'sealer whitening'.

The Fix:

Save yourself from costly call-backs and reinstallation due to blushing by sealing your concrete projects with **LumiSeal FX**.

The exclusive, **breathable sealing technology** found in every drop of **LumiSeal FX** allows moisture to escape before whitening occurs. No nasty chemical reaction. No nasty white stuff. No call-backs.

Whitening is bad. So is yellowing.

The sun can do some damage, too. Unlike some concrete sealers, **LumiSeal FX** has built-in UV protection. So, now you and your concrete are covered against whitening and yellowing. Plus, **LumiSeal FX** is flexible enough to work on bare concrete, previously sealed surfaces, as well as interior or exterior decorative and colored concrete.

LumiSeal FX is easy to use

LumiSeal FX is specially formulated for a superior bond and smooth, easy application. Just spray or roll **Lumiseal FX** on any clean, sound concrete surface, even if there's already a sealer present. And since it's so easy to apply, protecting stamped and decorative concrete with **Lumiseal FX** is easy as pie.

LumiSeal FX science keeps your concrete looking good

Our lab guys like to brag about the "self-cross-linking emulsion, acrylic polymer chemistry" that makes **LumiSeal FX** possible. You can quote them when you make your next sales presentation. (Or, you can just enjoy basking in the glow of great looking concrete that stays that way, indoors or out.)

LumiSeal FX is environmentally friendly

LumiSeal FX is water-based, and Low-VOC, so there's no need for extreme ventilation during application. **LumiSeal FX** can be applied without shutting down your customer's operations.

LumiSeal FX Advantages:

- Non-whitening
- Non-yellowing
- Easy to apply
- Low-odor
- Superior bonding
- Glossy finish
- Works on previously sealed surfaces



Do you have a concrete question?

L&M Construction Chemicals and our qualified distributors have concrete answers for your concrete questions. Call anytime or drop us a line. We're glad to help.



Find out more
about Lumiseal FX
www.lmcc.com



LUMISEAL FX™

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

Manufacturer:

L&M Construction Chemicals,
A product brand of **LATICRETE International**
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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, low-cost sealing and dustproof performance are required.

Features and Benefits:

- Non-blushing formula, resists whitening
- Non-yellowing, pure acrylic formulation
- Resists black tire marks
- Low VOC, Low odor
- Interior and exterior use
- Compatible with previously sealed concrete
- High-gloss, high-solids

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 - 300-400 ft²/gal (7.5 to 10 m²/liter)
- Second coat, gloss - 400-600 ft²/gal (10 to 15 m²/liter)

Technical Data:

Applicable Standards:

- ASTM C 309 Type 1
- VOC Compliant
- USDA Accepted

Typical Properties:

- Total Solids, % Minimum: 25
- Salt Spray 5% Resistance, hours: >750
- Dry Time, set to touch, minutes: 60
- Surface Gloss (2 Coats): Medium/High
- Ultraviolet Resistance: 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.

Clean Up:

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



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