



Why Lithium?

Put the power of Nano Lithium (NL) to work on your concrete, and you'll be floored by the maximum protection and superior results.

Unique Strengths

Facility owners from various industries (manufacturing, warehousing, distribution, commercial, retail, healthcare and institutional) have relied on our unique chemical strengths to make their concrete and masonry cleaner, safer and more durable.

- pH- Lower alkalinity
- Reactivity
- Stability
- Atomic structure
- Smaller ion size
- Lower viscosity
- Low VOCs

Unmatched performance.

Our superior lithium technology provides unmatched performance in protecting substrates against wear, dusting, sweating, efflorescence, scaling, surface ASR and damaging alkalis.

Only Pentra-Sil:

- Penetrates deep inside the concrete capillaries chemically reacting with the free lime forming a permanent insoluble bond with the concrete.
- Forms a superior protective surface layer that is breathable, dense and abrasion resistant.
- Creates a stronger, more impenetrable, and resistant finish that is dust-proof and resistant to staining and deterioration.
- Reduces maintenance, cleaning costs and costly repairs.
- Conforms to "Green Leaf / LEED Qualifying" and is one of the industry's most environmentally friendly coatings.

Why to choose Pentra-Sil® products? Hard Facts

- Increases abrasion resistance extending the life expectancy and integrity of the floor.
- Viscosity is very similar to water and will penetrate deeply into micro pores.
- Controlled reactions provide for deeper penetration and more permanent protection.
- Non-soluble and non-expansive—will not absorb water or cause the floor to sweat (SSF).
- Chemically reacts with concrete to produce insoluble tri-calcium silicate hydrate, making it harder and less permeable.
- Will not scratch or peel like epoxy
- Reduces dusting for cleaner and safer environments.
- Applies in an easy single coat—no water wash required or environmental clean up and disposal.

- Can be applied on fresh, newly-toweled concrete.
- Curing compounds can be applied on top of treated surfaces to provide ultimate hydration.
- Does not contain sodium or potassium salts that contribute to surface crazing, efflorescence and surface ASR.
- Provides high reflectivity (surface sheen) that beautifies concrete, holds up to heavy traffic and improves aesthetically over time.
- Requires no waxing and provides an immediate sheen that improves with normal wear and maintenance.
- Water-based, contains no solvents, low odor. Extremely low VOC content.
- Permanent and durable surface resists marks, improves traction and helps prevent waterborne contaminants from staining.
- Works as an excellent primer and is compatible with most resilient tile carpeting adhesives.
- Makes concrete easier to clean, creating an environment that is less susceptible to the proliferation of harmful bacteria.
- Prevents efflorescence and the leaching of lime.
- USDA approved for incidental food contact.
- Lasts longer than other floor coatings.

Primary Industrial Markets Served

We offer unique unmatched patented surface treatments for sealing, hardening and densifying concrete that reduces dusting, improves abrasion resistance and simplifies maintenance for industrial, commercial and institutional facilities throughout the world.

Remember, good serviceable concrete floor requires a hard and durable surface. Even the best concrete surfaces can develop undesirable characteristics in wearing, dusting, and scaling. Sometimes even more damaging effects occur: Sweating due to pH imbalances, ASR (Alkaline Silica Reactivity), salt intrusion, and dirt and grime buildup which causes harmful bacteria and health issues.

Convergent Concrete & Group S.A. leads the industry with unique specialized treatments, the most advanced chemistry for the industry.

Convergent Group S.A.

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