Specifications
Bone Dry Li 200 Logistics

Description

Bone Dry Li 200 Logistics is a high solid content Lithium and nano silica densifying solution for treating exposed concrete surfaces in high traffic and heavy traffic environments. Application of Li 200 Logistics will densify and harden the concrete surface to increase durability and decrease wear over time. This product is formulated to penetrate deep into concrete and dry clear without the need for brooming or removal after application. Concrete slabs treated using Li 200 Logistics will have increased hardness, abrasion resistance, water and stain resistance, ASR (Efflorescence) Protection, and increased sheen.

Testing

Please see testing results on page 2

Attributes

- Water Based
- Low VOC
- Protects against Efflorescence (ASR)
- Compatible with Reactive and Resin Bond breakers
- Eliminates Dusting
- For Interior and Exterior Use
- Densifies and Hardens Concrete
- Improves Water and Stain Resistance
- Breathable and UV Stable
- Increases Abrasion Resistance
- High Slip Resistance (Exceeds 0.60 SCOF)
- Fills Microcracks and Increases Sheen

Li 200 increases compression strength and assists in evenly curing the concrete slab achieving results in the same way as a curing compound. Curing Compounds are not necessary but if required they should be applied after the application of Li 200.

Limitations

Li 200 Logistics is not a membrane forming product. This product is intended to densify exposed concrete surface.

Protection/Equipment

Protecting Finished Surfaces

Avoid spraying over onto finished surfaces. Excessive over spray may discolor surfaces.

Equipment for Application

Bone Dry Li 200 Logistics can be applied using a pump or battery powered sprayer with a cone or wide fan spray tip.

Floor Preparation

Li 200 must be applied to a clean and porous concrete substrate. Existing coatings must be mechanically removed prior to application. Freshly poured concrete must be hard enough for foot traffic prior to application.

Application Instructions

Apply the Li 200 Logistics by fully wetting the concrete slab and avoid puddling. The slab should remain wet for 10-15 minutes. Once applied, allow slab to be dry to the touch (typically 2-3 hours) prior to resuming traffic. If dust appears on the surface due to heavy puddling this can be broom swept off once dry.

Product Spread Rates

Hard Troweled surfaces: 400-800 square feet per gallon
Broom finished concrete: 200-400 square feet per gallon

Storage

Product must be stored in conditions above freezing and below 90 degrees Fahrenheit. The shelf life of the product is 2 years.

Contact

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Warranty Information

Bone Dry Li 200 Logistics carries a 25 year product limited warranty stating that the treated surface will remain water-resistant, dustproof, hardened, and abrasion resistant for 25 years from the application date.

Test	Description	Duration	Sample	Results
Alberta B388	Waterproofing Performance			70% Increase
ASTM C 39	Compression Strength	at 4 days		2% increase over Control
		at 7 days		12% increase over Control
		at 14 days		16% increase over Control
		at 28 days		30% increase over Control
DIN 1048	Water Penetration			23% improvement
ASTM D 4060	Taber Abrasion Resistance			29% increase
ASTM C 1028	Static Coefficient of Friction	Dry Conditions	Li 200 Logistics	1.06
		Wet Conditions	Li 200 Logistics	0.76
ASTM C 1583	Pull Off Strength	At 7 Days	Li 200 Logistics	533 psi
USGBC LEED Version 4, BD&C, ID&C				
The WELL Building Standard				
ANSI/GBI 01, Green Building Assessment Protocol				

Curing Performance

Applied to fresh concrete, Li 200 Logistics assists in evenly curing the slab — delivering durability improvements comparable to using a curing compound, with no separate curing product required.

Improvement vs. Untreated Control

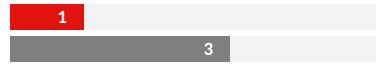
Water Loss During Curing (Alberta B388)

Freeze/Thaw Durability (ASTM C 666)

Length Change – Drying Shrinkage (ASTM C 157)

Deicer Scaling (ASTM C 672)

At 25 Cycles



At 50 Cycles

Visual scaling rating, 0–5 — lower is better
1 Very Slight · 2 Slight · 3 Moderate · 5 Severe

0.064%

Chloride Ion Penetration at 1 in. depth — ASTM C 1543

0.009 in / 0.035 in

Surface Abrasion Depth at 30 / 60 Minutes — ASTM C 779 (Procedure B – Dressing Wheels)