

## Lithium Silicate Concrete Sealer/Densifier

An economical lithium silicate sealer/ densifier for concrete surfaces. LithSeal Lite deeply penetrates and reacts with cured concrete. This reaction produces a calcium silicate hydrate within the concrete pores. Treated surfaces will remain breathable, reduce porosity, reduce dusting, reduce water permeability and increase abrasion resistance. When properly applied, LithSeal Lite will not leave the whitish blush characteristic of other sodium silicate products.



### ✓ Benefits

- Reduce application costs with one step low pressure spray application on broom or power trowelled finishes.
- Achieve architectural finishes, does not contribute to Alkali Surface Reaction (ASR), Will not leave a white surface as compared to other silicate products.
- Reduce dusting, porosity, water permeability.
- Improves abrasion resistance, light reflectance and gloss.
- Deeper penetrating then conventional silicates.
- Can be used interior and exterior.
- Fast curing. Ready for traffic in one hour for most floors.
- Breathable



## Packaging

- 275 gallon tote (1041 L)
- 55 gallon plastic drum (208.2 L)
- 5 gallon plastic pail (19 L)

## Project Highlights

- **Project Beverly**  
Mobile, AL  
2.6 million sq ft
- **Amazon**  
Perryville, MD  
1.12 million sq ft

## Typical Test Data

Appearance	Clear
Specific Gravity	1.11
Weight/Gal.	9.3 lbs.
VOC Content	0 g/l
Freeze Point	32°F
USDA Accepted for Indirect Food Contact	

## Technical Data for SpecChem "LithSeal Lite"

Typical Test Data	Test Results
Improved Abrasion Resistance ASTM C-779	>33%
Improved Compressive Strength ASTM C-140	>15%
Improved Impact Resistance ASTM C-805	>10%
Reduced Permeability ASTM C-642	>76%
Skid Resistance ASTM C-303	Good
Reduced Vapor Transmission ASTM E-96	< 8.0gm/hr/sq-ft
Weatherability/UV Stability ASTM G-23	No Change
Depth of Penetration	>3.7mm
USDA Accepted	Yes
Specific Gravity	1.08

Many factors impact performance of the liquid Floor Hardeners/Densifiers. Primarily, the quality of the base concrete which is determined by the concrete mix design, quality of the aggregate, type and degree of finishing, curing, porosity, etc.... No test criteria has ever been developed to quantify the performance of these products.

These test results are based on a typical concrete mix design and over 20 years of experience with this technology. A qualified applicator must be used to assure the liquid hardener is properly applied.

Industrial floor experts qualify the Liquid Hardeners/Densifiers by solids or baume, which measures concentration. LithSeal Lite formula will be 7-8% concentration of lithium silicates and other additives to enhance performance... equal to or exceeding our competitors in the US