



# LION HARD®

## Lithium Silicate Concrete Densifier, Hardener and Sealer with Water Saver Technology

### AUSTRALIAN DISTRIBUTORS

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### PRODUCT DESCRIPTION

**LION HARD®** is a VOC-free, environmentally friendly lithium silicate concrete floor densifier, hardener and sealer.

This product penetrates bare concrete surfaces and transforms them into a permanently dust free floor with a prideful gloss that gets better with age.

There's no scrubbing, no washing and L&M's Water Saver Technology makes **LION HARD** environmentally friendly and easy to apply. This product may be applied to new and existing, cured concrete as a chemical hardener, dustproofer and densifier to improve surface durability and appearance. **LION HARD** is also very effective on polished concrete surfaces to harden, densify and protect their attractive and durable finish.

*Basic Use:* **LION HARD** provides long lasting dustproof performance on high traffic concrete floors in CHPS schools projects, projects seeking LEED certification and other projects, including retail offices, grocery stores, shopping malls, civic centers, sports arenas, stadiums and other commercial buildings. It is also appropriate for factories and warehouses, pharmaceutical plants, textile mills, automotive, truck and bus terminals and laundries, as well as in food processing plants such as meat packing plants, canning factories, breweries and bakeries.

### FEATURES & BENEFITS

- *Densifies and dustproofs bare concrete floors.*
- *Water Saving Technology.*  
*No scrubbing, no flushing residue with water.*
- *Reacts instantly upon contact with floor surface.*
- *Produces surface gloss which improves with age.*
- *Will not absorb water or contribute to floor sweating.*
- *High traction, non-slip for safe floors.*
- *Effective on both new and old floors.*
- *UV stable. Will not yellow, flake or discolour*
- *VOC Compliant. Non-Flammable, Odourless.*
- *Easy to maintain, no waxing necessary.*
- *Resistant to surface whitening.*
- *Can be applied to freshly poured concrete.*
- *Will assist curing process.*

### ESTIMATING

**LION HARD** is available in factory sealed 5-gallon and 55-gallon containers. Each container is properly identified with product name and batch number.

**Typical Application Rates:** Coverage dependent upon surface texture and porosity. Typical rate is 600-800 ft<sup>2</sup>/gallon on hard trowelled, dense concrete (15-20 m<sup>2</sup>/litre). One coat normally recommended. For best results on porous concrete surfaces, apply second coat after the first coat has dried completely and any dried residue has been removed..

**Polished concrete:** Apply two coats: the first at 400-600 ft<sup>2</sup>/gallon (10-15 m<sup>2</sup>/litre) and the second at 600-800 ft<sup>2</sup>/gallon (15-20 m<sup>2</sup>/litre) for maximum hardness and surface durability, per instructions.

### COMPLIANCE and Standards:

ACI 302, Guide for Concrete Floor and Slab Construction, Class 1 through 6 and Class 9.  
NSF approved, USDA approved  
VOC compliant  
US Environmental Protection Agency  
California Air Resources Board SCM Districts  
SCAQMD, California  
Northeast Ozone Transportation Zone,  
Maricopa County, Arizona  
CHPS, Collaborative for High Performance Schools  
OSHA and ADA Non-slip requirements.  
National Floor Safety Institute (NSFI)  
ANSI - 101-B - Non-slip, High Traction  
LEED - Green Building Rating System.

### Typical Properties:

Type Solids -	Lithium Silicate
Active Solids	100%
Flash Point-	None
Viscosity-	water thin
pH	10.9
Specific Gravity	1.10
Colour	Clear
Weathering, UV test	Excellent
Surface Breathable -	Yes
Skid Resistance, AS® -E-303	Good
SCOF - Wet or Dry -	+0.6-0.8
Abrasion Resistance, (ASR)-C-779-	
Increased Wear Resistance -	+200-400%
VOC, gm/1 -	0



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