



# LIFE™

## Product Specifications



### LD14/31 System

### Liquid Granite Floor System

#### Description

Liquid Granite is an epoxy concrete floor coating system with acrylic chip sprinkled into the pigmented base coat and sealed with clear epoxy or urethane top coat.

#### Uses

Liquid Granite is designed to be used on showroom floors, restaurant floors, garage floors, recreation rooms, washrooms and kitchens. Liquid Granite is a decorative, durable and chemical resistant coating which makes it perfect for residential, commercial and industrial applications.

#### Advantages

- Chemical Resistant
- Durable
- Decorative
- High Build
- Seamless
- Easy to Clean
- USDA Approved
- Choice of Colors

#### Packaging

14 Series - 1.25 gallon kits  
 LD31 Series - 1.5 gallon kits  
 Paint Chips - 5#, 10#, 55# box  
 LDCRU - 1 gallon kit

#### Inspection

Surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust or any other foreign material that may prevent proper adhesion.

#### Surface Preparation

Prepare the surface by sanding, grinding, water blasting, sand blasting or shot blasting. Clean surface entirely with TSP and rinse completely with water several times. Remove mildew or algae using 50/50 blend of household bleach and water, rinse thoroughly. Cracks should be filled with LD7200 Epoxy Paste according to the manufacturer's instructions. All expansion joints should be honored and filled with 7100 Epoxy Joint Filler or equivalent.

#### Priming Requirements:

Gently blend approximately 1 gallon of water with 1 gallon of 14 Series part A. Then add 1 quart of 14 Series part B to the part A mixture and apply as thin as possible, approximately 600-800 sq. ft. per batch.

#### Base Coat Application

Apply LD 14 Series pigmented epoxy base (see mixing instructions below), at the rate of 200- 250 sq. ft. per gallon. Broadcast pre-mixed color chips into the wet base coat until no shiny spots are evident, approximately 10 sq. ft. per pound. After the base coat has cured, sweep excess chips and sand or scrape aggressively with drywall scraper. Sweep again and vacuum loose chips.

#### Mixing - 14 Series Epoxy System Base Coat Mix 4 parts "A" with 1 part "B" in batches no larger than 1.25 gallon at a time.

*Top Coat:* In a clean and dry bucket, mix 4 parts A and 1 part B together using an agitator, jiffymixer or stir stick. Mix slowly for at least 2 minutes or until completely combined. **Prepare only the amount you can use in 1 1/2 hours in quantities of no more than 1.25 gallons at a time.** Do not leave the mixed epoxy in the bucket longer than 20 minutes. (Pot life is approximately 40 minutes).

#### Application Clear Top Coat

If application is interior, apply LD 31 Series Clear Epoxy at approximately 150-200 sq. ft. per gallon. If application is exterior, apply LD CRU (Chemical Resistant Urethane) at approximately 200 sq. ft. per gallon. After first coat has dried you may sand or scrape rough spots and apply a second coat of LD31 Series Clear Epoxy or LD CRU (Chemical Resistant Urethane) at approximately 200-300 sq. ft. per gallon. **Be sure to read the Product Information Sheet for application procedures.**

## Protection of Finished Work

Prohibit light traffic on the finished floor for 48 hours after installation. Avoid heavy traffic and abrasion, and chemical exposure for 5 days.

## Limitations

- Be sure to read individual product info sheets.
- Do not apply in temperatures below 50<sup>o</sup> F or temperatures above 95<sup>o</sup> F.
- For interior use only unless protected by a UV resistant coating. (See application of clear top coat).
- Heavier top coat may become slippery.

## Clean Up

Uncured material can be removed with an appropriate solvent or water (see label instructions). Cured material can only be removed mechanically.

## Maintenance

Floor should be cleaned with water or a mild, non-filming detergent. For difficult stains, paint thinner may be used without harming the finish. A slip coefficient type wax may be applied periodically to make floor less slippery.

## Warranty

Manufacturer guarantees that the coating materials referred on this document are free from manufacturing defects and comply with the published specifications. Applicator should warranty against faulty workmanship for a period to be named on the contract or proposal for the project or as governed by state, federal, or local laws.

### Technical Data of LD 3100 Top Coat

Viscosity (ASTM-D-445-83, Brookfield, RVTD, Sprindle 4)	1030 cps
Gel time (Techne GT-4 Gelation Timer)	55 (150 mass/min)
Tensile Strength (ASTM-D-638-86)	7400 psi
Tensile Elongation (ASTM-D-638-86)	4.9 %
Heat Deflection at 264 psi (ASTM-D-648)*	47C
Shore D Hardness (ASTM-D-2240-86)	82
Mar Resistance (ASTM-D-5178-91)	1.35 kg
Glass Transition Temperature (ASTM-D-3418-82)	124 F
Color (ASTM-D- 1544-80)	>1 Gardner
Thin Film Set Times at 70 F (BK Drying Recorder)	4.5 hrs.
Flexural Strength (ASTM-D-790-88)	12200 psi
Compressive Strength (ASTM 695-85)	11800 psi
Compressive Modulus (ASTM 695-85)	326 thousand psi

\*Properties determined after 7 days cure at 25 C

This product contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. The maximum V. O. C. of this product does not exceed 100 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).



## Acrylic Chip Blends Stock Colors



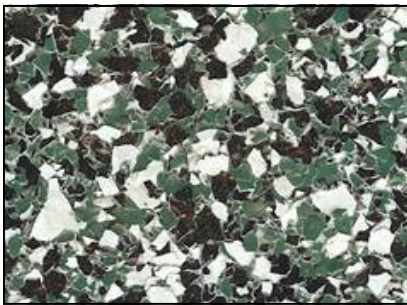
**Taupe Tweed**



**Sandstone**



**Shadow**



**Forest**



**Atascadero**



**Dove Gray**



**Granite**



**Storm Cloud**



**Autumn**



**Niagra**



**Salt & Pepper**



**Mocha Tweed**

**These are approximate colors and will vary.**





# Liquid Granite

## Standard Application

- 1) Prepare Surface to feel like 50 grit sandpaper
- 2) Apply Epoxy Primer LD1200 or 14 Series
- 3) Apply Epoxy Base Coat (see Base Coat Colors below)
- 4) Broadcast premixed Color Paint Chips
- 5) Apply clear Epoxy top coat LD3196
- 6) Apply CRU Top Coat (optional for U.V. protection).

## Standard Base Coat Colors for Liquid Granite

<u>Base Coat Color</u>	<u>Base Coat Color</u>	<u>Base Coat Color</u>
Travatan	Cape Cod Gray	Deep Tan
<u>Color Paint Chips</u>	<u>Color Paint Chips</u>	<u>Color Paint Chips</u>
Taupe Tweed Sandstone Atascadero Niagra Granite Salt & Pepper Storm Cloud	Shadow Forest Dove Gray	Autumn Mocha Tweed

Consult with the product information sheet for more detailed application instructions