



Bulletproof: LZ – Grindless Primer

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Product Overview

LZ – Grindless Primer is a fast-drying primer formulated to eliminate the need for grinding in most applications. It provides strong chemical bonding to concrete, tile, wood, metal, and many existing coatings, creating a durable base layer for epoxy, polyaspartic, and urethane systems.



Key Benefits

- ✓ Eliminates grinding in most applications. No concrete dust from grinding.
- ✓ Bonds to concrete, tile, wood, metal, and existing coatings
- ✓ Seals porosity to minimize bubbles and outgassing. Durable adhesion helps prevent coating failures
- ✓ Concentrated formula mixed with 1 gallon of acetone before use
- ✓ Easy to hand-mix and apply
- ✓ Fast-drying with quick recoat window
- ✓ Easy to use, VOC free, 100% solids, and limits air pollution.



Application Areas

- Garage floors
- Clean rooms
- Manufacturing facilities
- Automotive showrooms
- Commercial kitchens
- Grocery stores
- Laboratories
- Basements
- Kennels
- Restrooms
- Locker rooms
- Aisle ways



Mixing & Installation

- Mix 1 quart LZ – Grindless Primer with 1 gallon acetone
- Stir thoroughly by hand only for 60–90 seconds (do not use an electric drill)
- Pour into roller tray or solvent-rated sprayer
- Apply evenly across substrate
- Ensure surface is clean, dry, and free of dust, debris, or contaminants
- Fill and repair cracks/spalls flush before application
- Clean all tools and equipment with acetone immediately after use



Performance Specs

- Volumetric Ratio: Single Component (mixed with acetone)
- Solids: 100% (+/- 1%)
- Mixed Coverage: 500 sq ft/gal (2 mil)
- Application Temperature: 55°F – 90°F
- Pot Life: 2 hours
- Working Time on Floor: 15 minutes
- Dry Time: 20–30 minutes
- Critical Recoat Time: 60 minutes
- Shelf Life: 12 months
- USDA Food & Beverage: Meets requirements



Technical Overview

LZ – Grindless Primer is a fast-drying primer system that eliminates the need for grinding in most applications. Mixed with acetone and applied by roller or sprayer, it creates a strong chemical bond to the substrate, reducing prep steps while improving adhesion for subsequent coatings. This labor-saving solution provides reliable long-term performance across a wide range of surfaces.

Advantages



No Grinding Required while Limiting Pollution

Eliminates grinding in most installs. That means no concrete dust and pollution.



Time and Cost Saver

Saves hours of prep time and eliminates the need for heavy grinders.



Improved Adhesion

Improves application adhesion to substrate



100% Solids with Versatile Compatibility

Compatible with epoxy, polyaspartic, and urethane. High-performance formulation that cures into a durable, solid film.



Environment Friendly

Formulated to be safer for installers and the environment.



Easy to Use

Simple hand-mix system with acetone, no mechanical drill required.

System Type & Mixing

- Single-component concentrate, diluted before use
- Mix 1 quart LZ Grindless Primer with 1 gallon acetone
- Stir thoroughly by hand only for 60–90 seconds (no electric drill)

Surface Prep

- Surface must be clean, dry, and free of dust, debris, and contaminants
- On rare occasions, scrub and rinse, then allow to dry fully before application
- Repair cracks and spalls flush prior to applying primer
- Substrate moisture must be below 10%

Coverage Rates

- 500 sq ft/gal (2 mil), as supplied
- Coverage may vary depending on substrate porosity and profile

Full Cure & Return to Service

- Dry to touch: 20–30 minutes
- Recoat window: 60 minutes
- Walkable: ~3 hours
- Vehicle ready: ~24 hours
- Full cure: ~6 days at 75°F and 50% RH
- Pot Life - 2 Hours

Performance Testing

- Bond to concrete: 350 psi (ASTM D4541 — concrete fails at this point)
- Flammability: Self-extinguishing
- Flash Point (as supplied): >200°F

Storage & Shelf Life

- Store indoors at 60–85°F
- Keep containers tightly sealed and upright
- Shelf life: 12 months unopened
- Mixed product will harden and solidify after 48 hours.

Warnings & Limitations

- For professional use only
- Flammable — keep away from sparks, heat, and open flame
- Ensure proper ventilation during use
- Wear gloves, respirator, and protective clothing
- Do not apply below 55°F or above 90°F

Disclaimer

Once mixed with acetone, LZ Grindless Primer must be used within its pot life. Results may vary depending on substrate condition, preparation, and environmental factors.

Application Tools

Spray & Mop Style Application



Microfiber Mop Pad

Used for spray-and-mop application to spread the coating evenly.



Pump Sprayer

Applies a light, even coat across surfaces. Remember this product goes down at 2 mils. For reference a dollar bill is 4 mils.

Dip & Roll Method



18" Roller (Dip & Roll Method)

Used to apply the primer evenly across large surfaces. Works best with a dip-and-roll tray setup.