



# Elasti-Deck

## A Step-By-Step Guide

### Step 1 | Prep

Prepare concrete surface by concrete grinding, shot blasting, or on exterior projects - acid etching and pressure washing (always neutralize if acid etching). Acid Etching:

- **Make sure the substrate is clean and free of any previous applied products and other bond breaking contaminants**
- **Reduce Muriatic Acid (same as hydrochloric acid) with water to a 10% solution. Apply the acid etching solution over the concrete**
- **Rinse with water and then apply a “neutralizing solution” over the concrete**
- **Rinse with water again**

### Step 2 | Mixing

1. Premix your Elasti-Base with a drill before adding accelerator (do this to mix any settled solids or pigments).
2. Add 2 ounce of accelerator per gallon for a “slow-set” dry time of 3-4 hours at 70°F (can add extra, ask rep for details).
3. In states where it is legal, we recommend thinning Elasti-Base 10% with Xylene after mixing in the accelerator.

It is designed to go down thin. Unlike typical epoxy coatings, a great feature about Elasti-Base/Binder is its long pot life. Where with epoxy, you have to get your mixed product out of the bucket and on to the floor **ASAP**, not so with Elasti-Base/Binder – just the opposite, it will set-up quicker on the floor (as long as you put down thin) but will remain good in your bucket. With this in mind, you should work with it out of your bucket and only pour out what you need to work with while leaving the rest of the product in the bucket.

Again... Elasti-Base/Binder will not completely solidify in your pail during your application. After Accelerated it can only form a skin on the surface (needing removed) and/or thicken up a bit if application is long delayed. Just thin it down again and you're ready for application!

### Step 3 | Prime Coat

Concrete must be completely dry before applying Elasti-Base.

**Note:** You can artificially dry concrete using a weed burning torch. Very useful when applying Elasti-Base/Binder to swimming pools, floors, basements, and early morning outdoor applications due to wet leaves and dew. It is advisable to not let the flakes get rained on.

1. While wearing spike shoes, pour small puddles or ribbons down on surface and using a 1/8" notched squeegee & gage Elasti-Base over the surface.
2. Use chip brush or small (4 or 6" roller) to coat edges of walls or other obstacles. Wet an 18" 3/8" nap roller in the Elasti-Base & then back roll the material across the floor leaving a thin & even coat.
3. Let dry 3-4 hours at 70°F (Longer in cooler weather). You may use Elasti-Fill for an alternative flexible option at this point

### Step 4 | Broadcast

Apply Elasti-Binder broadcast coat using the same method as your prime coat. You can also “dip & roll” the Elasti-Binder out of an 18" paint tray to ensure an even, thin coat to broadcast into. Be sure you have an even, thin coat of Elasti-Binder to broadcast into. If the Elasti-Binder is uneven it will absorb different amounts of the broadcast media causing an uneven texture and color appearance. While the Elasti-Binder is still wet, broadcast flakes into the wet Elasti-Binder until the point of rejection. Let dry 3-4 hours at 70°F (may take longer in cooler weather)

### Step 5 | Clean Loose Flakes

1. Collect leftover flakes. Use a leaf blower to blow flakes into a corner or against a wall if at all possible (this is hard to do outside because of lack of walls to bounce flakes off of).
2. Blow-off remaining loose flakes with leaf blower.
3. Using a 14"-18" floor scraper, scrape floor in several directions to ensure proper amount of topcoat is used.

### Step 6 | Elasti-Seal

You must only apply Elasti-Seal if you can apply both coats back to back. **DO NOT** start sealing unless you can complete both seal coats!

Elasti-Seal has a very short pot life. Mix only what can be applied within a 10-15 minute time frame. Premix part A and Part B before mixing or dividing into partial batches. Separate 2 parts A of Elasti-Seal and 1 Part B of Elasti-Seal. Pour each part into a mixing container and mix thoroughly with a drill for 60 seconds. First coat (apply at 160 -180 sq. ft. per gal on first coat over flakes). **The first coat will require more sealer than the second coat.**

1. Mix up only a little at a time. Using an 18" long 3/8" nap non-shed roller and an 18" paint tray, saturate your roller and work on 8' sections at a time: 18" wide path then overlap by 1/3 on each additional roll. Do this in one direction going across the floor approximately 8', then another roller (or the original applicator) will “cross hatch” the surface with the roller in the opposite direction utilizing the same technique. Continue this cross hatching method across the floor. Let dry 1-2 hours at 70°F. This may take longer in cooler weather and is accelerated in warmer temperatures. Elasti-Seal Coverage Rate Over Quartz Cut the above coverage rate by 1/3 (you'll get less coverage over quartz). The second coat (apply at 220 - 240 sq. ft. per gal on 2nd coat over flakes)
2. Apply the second coat of Elasti-Seal as soon as the first coat is dry enough to walk on, using the same techniques as the first coat. The second coat **MUST BE** recoated within a 2-4 hour recoat window to achieve a monolithic bond.

