



APPLICATION INSTRUCTIONS

OVERVIEW: 112 PumaESD is an electro static dissipative, four-component urethane. Typically applied over a primer such as 103,104, 107 PumaPOXY

COVERAGE: 2.12 gal kit 1,200-1,400 sf

Product is applied by “dunk and roll” technique from roller tray, using ¼” or 3/8” nap roller covers. Finish roll should be done with ¼” nap for best results. Coating must be rolled evenly and consistent.

ONE KIT COMPONENTS

112 PumaESD Resin	1.5 gal
112 PumaESD Hardener	.5 gal
112 PumaESD C (powder)	160 fluid oz
120 PumaCOLOR Tint	16 oz
Optional Glass bead.	0-6 oz

Important Items to have on hand:

- 5-gal Spiral mix paddle, with medium speed ½” chuck drill. (Large areas: spike shoes)
- One extra 5 gal empty plastic pail, per unit (to place part C powder into).
- Dust mask
- Small + large rubber spatula scraper, to scrape all material out of pails.
- 1 pint (16 oz) measure cups (for TINT)
- 18” and 9” paint trays
- 3/8” nap roller covers (9” and 18”)
- For professional results: 1/4” x 9” for edges, and ¼” x 18” for final back-roll / finish roll.

PRE-PLANNING FOR APPLICATION

- Before application, ensure that floor is sealed with uniform color, no holes/voids or cracks. This product will not fill or hide imperfections. Joints may be filled before or after this coating is installed.
- “Box” all tint before starting, to ensure uniform color for entire floor. Estimate how much colorant will be required. 16 oz colorant required per unit (1200-1400 sf) of area.
- Apply blue tape mark to the floor (or wall) every 1,200 sf, to ensure that you are getting proper thickness and coverage during application.
- Leftover Mixed Material**
If mixed material is kept airtight overnight, it may be used for touch-up the following day (if needed).

MIXING: FOLLOW INSTRUCTIONS, IN THIS ORDER

- Slowly pour 160 oz part C (powder) into an empty 5-gal pail.
- Empty can (1/2 gal) of HARDENER into the gray resin pail.
 - Mix resin/hardener for 1 full minute.
- Add the mixed liquids into pail with part C (powder)
Scrape material on inside of pail w/spatula or paint stick
 - Mix 3 min
- Add 16 oz 120-PumaCOLOR tint (scrape out).
 - Mix until color is evenly blended (1 minute).
- Optional: add glass bead 3-6 fluid oz.
 - Mix 30 seconds

PARTIAL MIXES

If partial mix is made, resin and tint each must be pre mixed, and all components measured EXACTLY. If there is any deviation from full component ratios, the color, conductivity or other properties may be affected.

WORKING TIME / POT LIFE: approx. 30 minutes

ROLLING

Coat one rectangular area at a time. Approx 45 sq ft (9’x5’) for proper coverage rate.:

Dunk in roller tray, roll left to right (9’), move roller towards you, then roll right to left (9’).

Now dunk again, roll left to right, and then right to left. (This will be total of 4 rows of rolls).

Do not dunk again; roll straight up and back, over the entire rectangle area.

Ensure overlapping of rectangles, as you fill in the rectangle areas across the width of the floor.

Blend in the edge of rectangle into next, as you roll.

Larger areas: back-roll or cross-roll

Wearing spike shoes, use ¼” nap roller, and roll across entire floor, back and forth.

If using glass bead for texture

Mix material in bottom of paint tray using roller, every time it’s re-filled, to prevent settling of beads on bottom of tray (the settling can cause uneven appearance if beads “clump” on roller).

Curing

Allow material to cure overnight at 70 deg F, for light foot traffic. Allow 36 hrs cure for heavy traffic.