

TEMPERATURE AND HUMIDITY: Materials must be stored at 65°F (18°C) and 80°F (26°C). 70 deg F is the optimal temperature, for storage, mixing and application.

During the application and cure of the coating, the substrate temperature, material temperature and room conditions must be maintained between 65°F (18°C) and 80°F (26°C). Relative Humidity (RH) should be limited to 30- 70%. DO NOT apply coatings unless the surface temperature is more than five degree over the dew point.

APPLICATION EQUIPMENT:

- PPE (personal protective equipment including safety glasses and disposable gloves).
- Spiral mixing blade
- A few clean 5 gal pails for mixing material.
- Variable speed, ½” drill
- High quality lint free roller covers- 3/8 inch nap
- Roller frames
- Glass bead (for texture)
- Paint Strainer
- Spike Shoes - optional, but recommended for back-rolling (finish roll) of the floor, for best results.
- Conductive copper grounding tape

UNIT SIZE: 1.8 gal .8 gal white pail of part A, 1.0 gal can of part B

COVERAGE RATE: 3-4 mils (1000 SF / kit)

WORKING TIME: Approx 30 minutes

Video Mixing and Application Instructions may be found on our website on the RESOURCES tab, at PumaCRETE.net/RESOURCES

APPLICATION OF PRIMER COAT: First, apply PumaCRETE primer coat of epoxy, such as 107-PumaPOXY or 107-PumaPOXY WB, following instructions. **Within 24 hrs, apply 112-PumaESD top coat (for proper adhesion)**

MIXING 112-PumaESD Top Coat

It is critical to get the entire contents mixed correctly. It is likely that the contents of the Part A white pail 112 ESD-A has settled in the bottom of the pail. At times the settle can be quite hard. *To achieve the correct mix:*

1. First pour the free layer of top liquids (112-PumaESD A) into a clean 5- gallon mix pail.
2. Then use a putty knife or margin trowel to cut through and lift the settled material from the bottom of the pail and transfer to the 5-gallon pail (careful of splashing, wear safety glasses).
3. With a spiral mix paddle on variable speed drill, first slowly mix the transferred material into a homogenous mixture free of lumps and separated liquid.
4. Increase the speed of the mix paddle as more of the settled material is dissolved into the liquid. (Starting the mix paddle at high speed will likely splash the free liquid out of the pail and alter the final mix.)
5. Once mixture is homogenous, add the entire half pint of color pack, and mix for 1 minute or until the color is uniform throughout.
6. Add the 112-PumaESD-B and mix for an additional 2 minutes at medium speed.
7. Add 5 fluid ounces glass bead, and re-mix for 30 seconds.
7. Pour mix thru paint strainer, into clean pail.

APPLICATION of 112-PumaESD Urethane

Note: 112-PumaESD must be pan rolled and NOT squeegeed. Using a squeegee will produce lines of aggregate that will not roll out evenly.

It is recommended to have minimum 2 men rolling (3 for 5000 sf or more).

- Pour mixed material into a roller pan, for each roller.
- Apply to the floor surface using pan and roller.
- Back roll the wet coating using a 3/8 inch nap roller.
Care should be taken to overlap and cross lap.
- Be sure to sufficiently roll out the 112-PumaESD to achieve an even film thickness throughout the entire project. Excessively thick areas (>4 mils) will have uneven appearance, and electrical properties reduced. **THIN EVEN COVERAGE WILL ACHIEVE BEST RESULTS.**

One coat of 112-PumaESD is all that is required to achieve desired ESD properties.

DRY TIME:

Allow 36 hours cure time for traffic to resume.