

# ***Basic Epoxy Installation***



Acid etch floor very well. If there are any oil stains use a degreaser on those areas. If the floor is excessively oil stained/soaked ADPolymers offers a primer, AD810, made for these types of floors. It comes in black only.



Tape edge and side walls.



Mix only enough material needed to cut in the edges and sidewalls. If using a primer such as AD134, cut in using this primer. Depending on how much epoxy wicks into the porous blocks, you may want to apply a second coat. Unless plenty of build coat epoxy such as AD77 is purchased, only apply primer to side walls.



Mix AD134 primer, no more than two gals at a time unless on a large scale job. Primer can be applied by either dipping and rolling out of the bucket you mixed it in, and using a 9" roller 3/8" nap, or by pouring it onto the floor and rolling it out with 9" roller or faster method is to use an 18" roller 3/8" nap.



Primer is generally applied at a rate of about 200-250 sqft per gal. It can be applied thinner if needed. Smallest batch size is two gallons. Don't forget about the sidewalls if you are planning on coating them.



Priming the edge is easiest with a 9" roller. Also, be careful applying all materials near cracks and saw cuts so you don't let the material fall into them.



Priming complete.



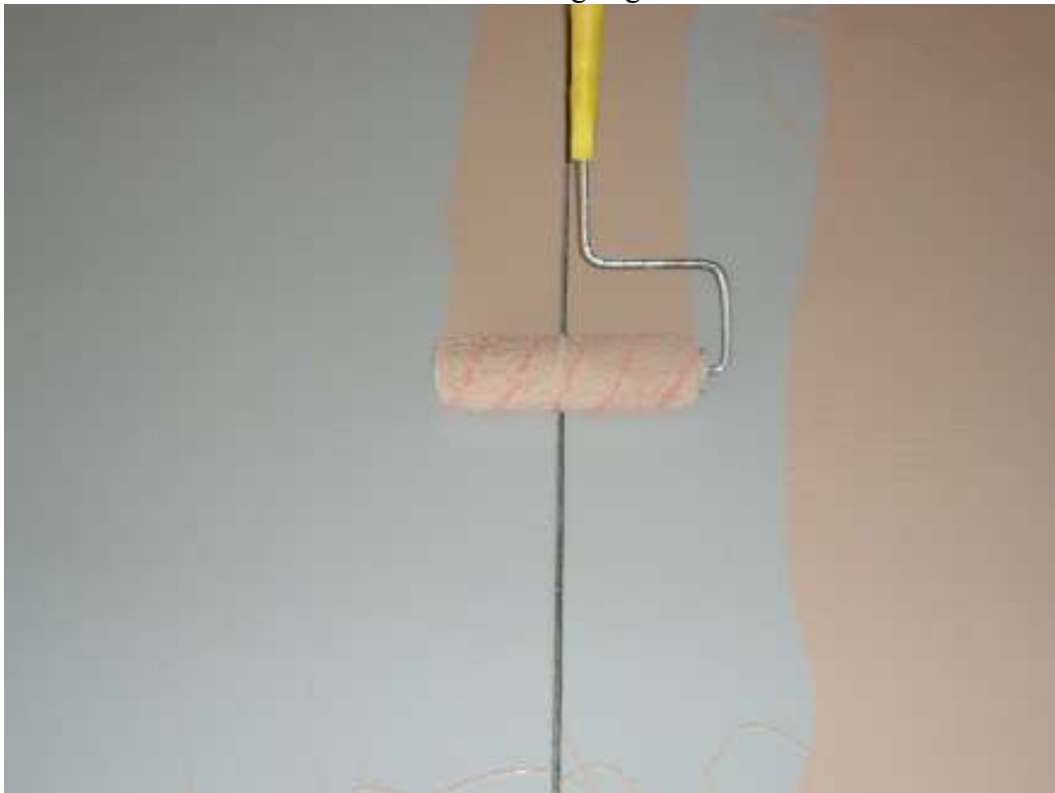
Mix build coat similar to primer. No more than three gals at a time unless it is a large scale project. 100% solids epoxy is thick and can be hard to apply at higher spread rates and installer experience can make a difference. Spread rates suggested is 130-160 sqft per gal. The only solvent that can be added is xylene (xylol), to help thin to make it easier to spread. Spread rates with AD77 or other 100% solids around 150 sqft per gal suggest one cup xylene per mixed gal. Mix together for 2-3 minutes to ensure complete reaction. Spiked shoes help you to be able to freely walk around and spread the material with ease. Also, use when tossing the flakes.



Pour epoxy AD77 onto floor in manageable amounts and spread with squeegee. 1/8" notch squeegee is the notch size for most projects. Depending on the spread rate will depend on how hard you need to put pressure down on the head of the squeegee. You will also need to use a roller, 18" 3/8" nap roller suggested, to roll out the epoxy at your specific required spread rate. No need to over roll material, just roll out squeegee marks and it will self level from there.



Roll along side cracks. Careful not to roll material into them. Here a 9" roller is used, which is the same roller used for rolling edges.



Apply chip flakes after all epoxy is on the floor. You have plenty of time to get your floor down then apply chips. 10 lbs on a two car garage will give a heavy look. 5 lbs will provide a medium broadcast.

**How to apply:** Best method we have found is to toss them into the air in an outward fashion away from you. Medium sized handfuls tossed in an upward/outward manner will help them to not fall in clumps. Use smaller handfuls around the wall base to keep a uniform look.

When initially applying the chip flakes, broadcast (toss) half of the total amount across the entire floor. This will require the use of spiked shoes – old gold spikes work great as well. Careful not to slip! After half the amount purchased is spread semi-even across entire floor use other half and do the same. This time apply more or less where needed. This method helps gage the amount of chips and surface are to cover.



Sprinkle method used when needed to pin point areas with less coverage. Small handfuls suggested!



After dry, use floor scraper and scrape entire floor in one direction then repeat in opposite direction. This step is not always needed, and really only needed for heavier chip broadcasts. 10lbs on a two car garage suggests scraping. Sweep floor or use leaf blower to clean before top coating.

Spread rates vary for urethane depending on amount of chips used. If no chips are used then 350 sqft per gal using same color as base coat. If 5lbs are used on a two car garage then 300-325 sqft per gal is good coverage. 10 lbs on a 2 car garage cover rate of 250-300 is a good rate. Two coats of urethane at 350 sqft per gal provide maximum protection. Depending on floor use this may be suggested.

Install urethane AD311\* similar to priming. Either dip and roll out of bucket with 9" 3/8" nap roller or pour out in streams and apply with 18" 3/8" nap roller. 9" roller will work too but it is tougher to get complete coverage. It is easy to miss a few small spots. Spikes are helpful in this step as well.

**\*CA residents must choose other options) E-mail for suggestion**



When scraping, angle scraper at less than a 45 degree angle to avoid gouging epoxy. Less of an angle than in picture.

Each layer of coatings, including topcoat must be applied within recoat times specified on the data sheets. Generally, it is 4-10 hours optimal and no more than 24 hours between coats. Some conditions will vary these times such as, temperature, and thickness applying. Primer applied thin 300+ sqft per gal will often dry within a couple hours on warm days.

