



Specification Asphalt Coating

07-07-99 rev. 1

ARCOR[®] coatings can be used for coating asphalt surfaces to provide a protective chemical barrier. The combination of ARCRETE low viscosity primer to thoroughly wet out the area followed by a topcoat of EE-11, will provide a longterm chemically resistant, resilient coating.

Surface Preparation:

- Remove all loose & damaged asphalt;
- If necessary, degrease as needed;
- High Pressure water blast area to thoroughly clean and neutralize the area;

ARCRETE Prime:

- Mix a small amount of ARCRETE to use as a primer. The ARCRETE mixes 2 parts Base to one part Activator by volume so any small containers or cups can be used to break down the ARCRETE to smaller amounts as needed.

- Use a roller, squeegee or brush to wet out all surfaces with unfilled ARCRETE.

- There is no need to wait for this prime coat to set before adding filled ARCRETE.

ARCRETE Rebuild-(filled ARCRETE)(to repair any holes or rebuild dikes or re-level areas):

- Use a large plastic mixing trough (metal can be used but plastic is cheap).
- Measure out one (1) gallon of ARCRETE Base and one-half (1/2) gallon of ARCRETE Activator. Pour both into a pail and mix with drill using a mixing blade (can mix by hand).
- Pour 1/2 bag of 60 lb bag of Quikrete or Sakrete into mixing trough. You can also use sand or any other type of concrete aggregate.

- Add approx. 1/2 of mixed ARCRETE. Mix with trowels ect. It is best to have a couple of people mixing at one time.

- Once the filler is wetted add additional filler and more ARCRETE. The goal here is to end up with a mix that is somewhat stiff but still completely wet out with resin. You are filling a large area that is elevated. If the mix is too loose, or soupy, some can run out the bottom of the form. It also will take more resin to fill the void, hence an increase in cost.

We find that a 1 1/2 gallon mix of ARCRETE works well with a 60 lb bag of Quikrete.

- Epoxies cure in an exothermic reaction i.e. they release heat when curing. If you will be filling a large void the concern will be not to fill too much volume at one time to prevent boiling/bubbling over of the material (referred to as an exotherm). Mix and install no more than two batches of filled ARCRETE at one time. If there appears to be any noticeable bubbling or steaming immediately do not mix and add more ARCRETE to the void. Wait 8 hours and continue.

If no noticeable bubbling or steaming appeared then continue to mix and install more mixes of filled ARCRETE as needed to fill the void. Continue to check for signs of an exotherm and continue to add two mixes of ARCRETE at a time until the void is filled.

- Allow the ARCRETE to set 8-12 hours. Check to see that the material has cooled and is hard to the touch before overcoating.

Coating with EE-11:

- Measure out one (1) gallon of ARCRETE Base and one-half (1/2) gallon of ARCRETE Activator. Pour the EE-11 Activator into the EE-11 Base and mix with drill using a mixing blade (can mix by hand). The EE-11 mixes 2 parts Base to one part Activator by volume so any small containers or cups can be used to break down the EE-11 to smaller amounts as needed.

- There will likely be voids present in the asphalt and the ARCRETE surfaces. Apply an initial coat of VICOR EE-11 by roller, we recommend a 1/8" nap, or by floor squeegee. As one man pours out the material have one or two others go over with the rollers, or with the squeegees, working in the coating to fill the voids. You will need to go over an area several times with alternated direction to get a good fill. Do not leave ridges. Try to leave the coat as smooth as practicable.

- Allow this first coat to cure for 2-4 hours (up to 12 hours if needed for work shift considerations,) or until dry to the touch, before adding a second coat. Cure time is highly dependent upon temperature and the above times are at 70-75°F. Longer if cooler, shorter if warmer. You want the EE-11 dry to touch and dry enough that you cannot move the coating if you twist your thumb in it, but not so dry that you can't put a thumbnail imprint into it. If you have heat guns they can be used to force the cure shortening the time between coats.

- If there are visible voids then apply a second coat of EE-11 to get a smooth even finish with no visible pinholes or voids.

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