

“How to use Epoxytec Uroflex™ properly”

- 1. Before you get started using Uroflex™, make sure your substrate is prepared properly.** This means preparing the substrate via high pressure water blasting, jetting, or abrasive blasting. Make sure the substrate is dry (no active leaks) and clean of all contaminants. Consult with Epoxytec and the product data sheet for specific standards.
- 2. With a strong hand mixing drill and medium mixing bit, stir the red or tan Part A.** This process will distribute the fillers and pigments evenly, producing a better and more uniform cure. Uroflex™ is a 1:1 ratio; typically sold as a 4 gallon kit (which will serve the purpose for this guide).



- 3. Add the Part A to the 5 gallon pail (Part B).** Mix thoroughly for about 4 minutes. Up, down, and all around.



4. Now you have 4 gallons of mixed Uroflex™ and you are ready to apply, with a brush, roller or spray.

The main thing to remember for any polymer is that there is a time constraint. Once they are mixed, they are starting to chemically react; some have longer, some have shorter cure times. Curing times are important for performance properties of the product.

Several things to consider:

- a. Ambient temperature. (The hotter it is, the quicker the cure). This is why we recommend keeping it in the shade or air conditioning whenever possible.

Product temperature. Same as above. (hotter-quicker)

- b. Keeping the product all together in the bucket. This causes the product to heat up from a thermal reaction and accelerates the temperature rising, therefore it cures faster. This is why we recommend (unless you are spraying Uroflex™) separating the material into at least two buckets. This adds significant pot life of the product.
In the case of Uroflex™, your pot life can range from 25 to 40 minutes depending on all the factors.
- c. When applying Uroflex™ with a brush or roller, the product should almost dictate the thickness you want, anywhere from 15 to 25 mils usually depending on nap of roller, substrate profile or your technique with the brush. It will not be thin like paint.
- d. Uroflex™ can be applied to concrete or steel. Outside concrete should be coated in the late afternoon to evening because of out gassing. Note: Concrete- when it is in the sun, and is warm, will push gasses out of itself which will cause bubbling of products applied to it. In the evening when the concrete is cooling down, the out gassing is significantly reduced or eliminated and can actually suck gasses in and the coating which is what's best.
- e. If you are going to try to apply Uroflex™ to an outside concrete structure during the daytime, please consider the use of an Epoxytec recommended primer. This should give relief from the out gassing.



If Spraying

.023" orifice spray tip or greater, 64:1 ratio spray pump or greater, 3/8" hoses, with 1/4" whip.

Clean up

When soft, you can use soap and water to clean up. Otherwise, you may have to use solvents (mineral spirits or Acetone).

Tools & accessories (min.)

MSDS Sheets	Acetone	Mixing sticks
Data Sheets	Small tools, pliers, screw driver	Mixing drill
Protective clothing	Paint brushes	Mixing bits
Gloves	Paint rollers and rolls (Purdy Golden Eagle ¾ in nap)	Plastic buckets
Goggles	Ladder/tripod (harness)	Paint trays
Power source	Rags	Safety gear (OSHA)

Frequently Asked Questions (FAQs)

Q. Is Uroflex™ flexible?

A. Yes- 38% elongation.

Q. Is Uroflex™ environmentally friendly?

A. Yes- Uroflex™ is 100% solid, has no VOC's or solvents and has hardly any odor.

Q. Can Uroflex™ tie back into itself?

A. Yes- very well. It is very easy to recoat, repair and maintain in the event of adding future coats, accidentals.

Q. Is Uroflex™ highly adhesive and can withstand hydrostatic pressure?

A. Yes

Q. What substrates should Uroflex™ be used on?

A. Almost anything hard, except for plastic or rubber, typically used on concrete, steel or wood.

Q. Do you have other products for other applications?

A. Yes- more than 40.

Q. What is the mix ratio of Uroflex™?

A. Uroflex™ is a simple 1- to-1 mix.

Q. Can I get Uroflex™ off the substrate once it has cured?

A. Difficult, only by abrasive blasting; even 40,000psi UHP Water Jetting has trouble removing it.

Q. Is Uroflex™ chemically resistant?

A. Yes- especially because of its urethane and novolac modifications- resists high hydrogen sulfide and other sewer or industrial grade gases and chemicals.

Q. How thick can I put Uroflex™ on in one coat?

A. Typically anywhere from 15 to 65 mills depending on temperature and method of application.

Q. Is Uroflex™ proven?

A. Yes- since 1990 with great success in all concrete and steel structures.

Q. Can Uroflex™ stop infiltration and exfiltration?

A. Absolutely

Q. Is Uroflex™ structural?

A. As a composite system, yes. When utilized alone, no.