

Coverage

My garage is 394 square feet.

1st coat: I ordered two gallons of gray, however, I ended up with 2.35 gallons total due to the additional two cans of pigment at about $\frac{2}{3}$ of a quart apiece. I ended up with just about half a gallon left of the gray after I was done. In total then, I used $1.85/2.35 = 78.7\%$ of the product I ordered - so extrapolating, if I used all of the "2" gallons I ordered, I'd be able to cover 501 sq ft, almost exactly in the middle of the advertised coverage (200-300). My coverage rate was exactly 1 gallon : 250 square feet.

2nd coat: I ordered 1.5 gallons of clear. The additional volume from the anti-skid was negligible. After coating everything, I ended up with just about a full quart left of the clear. So for the second layer, my coverage rate was at 315 square feet/gallon, better than advertised, but somewhat expected for a second coat.

I ordered 10 pounds of flakes, got 10.4 pounds in actuality, and ended up with 3.2 pounds of flakes left over, so my pictures show what 0.018 pounds/sq ft of flake looks like.

Among all the other products with fine text that you have to overcompensate the coverage calculator just to get the right amount of product needed, working with AWF polyurea felt so much better and less stressful. For example, several reviews over multiple sites for a competing product I was considering straight up told me to order double the amount that the coverage claims. It feels good to order the amount the product says you need and simply have enough.

Application

I have very little experience in painting. Outside of school projects and very small repair jobs, I have literally not painted anything in my life up until last month when I painted my garage. Priming the walls and ceilings, roughly 1200 square feet total, took me 10 hours. Painting them took me 10 hours. Trimming took at most half that time, so from pure painting, my coverage speed is roughly 200 square feet/hour. With AWF, I purposely slowed myself down a little due to the infinite pot life, and I was still able to cover the entirety of my garage floor with base coat & flakes in under 2 hours - equaling my wall coverage rate including trimming & flake broadcasting. I was done with the topcoat in under 40 minutes, tripling my painting coverage speed. Compared to painting, applying the polyurea was a breeze. Perhaps painting floors is easier in general, but I never had to paint over the same area multiple times; trimming and rolling was so much simpler and I had no roller marks whatsoever. If there was a shade of difference between color sections, it was purely due to the curing time difference between the two sections and not the roller marks at all. This couldn't have been due to my rollers - they were a dollar apiece - I give full credit to the polyurea itself.

This product was amazing for a normal office worker to apply. For someone who almost exclusively works on DIY projects in the evening after work, being able to prepare the floor over the previous week and then knocking out the application in a single weekend day is wonderful. Compared to the full day it takes epoxy to cure, applying the topcoat a scant 8 hours after laying the basecoat is an incredible blessing and frees up half my weekend. Despite the quick curing time, the infinite pot life is *amazing*. Even if it's actually something like 10 hour pot life, saying that it's infinite relieves so much stress compared to epoxy's hour long pot life or even shorter ones for other polyureas. I did not feel rushed in any way, likely leading to fewer mistakes. As a matter of fact, the layer of polyurea in my paint bucket dried overnight. When I went to clean it out, I peeled off the top layer and underneath was a totally viable, liquid polyurea.

On the other hand, despite how easy applying the polyurea is, the clear topcoat was incredibly annoying to pull off. Not due to any defect in the product, but more due to my own poor planning (rolled it in the evening), and lack of foresight in dealing with nearly invisible product. If I may suggest, perhaps include UV reflecting anti-skid in the product and insist on the customer to use a blacklight to tell exactly where the clearcoat was painted. (I think the anti-skid I purchased from GarageFlooringLLC is already UV reflecting, not sure if the polyurea itself is though, purely a thought of a possible solution.) At least suggest some strategies for full coverage on the clearcoat.

Other thoughts

Mistakes

As I found out the hard way, it is very easy indeed to have too much polyurea. Apparently, if applied a few times thicker than suggested, air bubbles will form inside the polyurea and turn it into semi-rigid foam. I realize now that this is likely the solvent evaporating, and that if the airproof outer layer cures while the inside is still liquid (what happens when too much is applied), I will get bubbles. At no time was this mentioned in any of the spec docs or other material that I read. I think this needs to be reemphasized.

Time between first and second coat

So the product mentions to reapply coats between 2-6 hours. It then says light foot traffic at 8-12 hours. How do you reconcile this? The product is almost hard at 6 hours, surely I wouldn't want to wear spiked shoes on the product or else I'd leave marks all over. On the other hand, even going barefoot as to spread my weight pressure out, I managed to leave a footprint at the 7 hour window. So logically, the second coat must be applied after light foot traffic is acceptable, but that also stressed me out that I was too far outside of the curing window to apply the second coat.

Fixing mistakes

Pending results tomorrow, but so far everything looks promising. Once again, the infinite pot life polyurea pulls through. Whereas I'd imagine most other solutions would require mixing up a completely new batch of product to re-apply over any areas, I was able to simply open the canisters up and start painting again like no time had passed.

Instructions

Perhaps I'm speaking out of turn because they are already in the works - but a proper set of instructions would be really, really good. The spec sheet and product page tells you some of the things necessary to pull off a good floor. Maybe I needed to do additional research (to be honest though, I probably clocked in at about 4 hours of DIY floor video watching and about 15-20 hours of reading up on the subject, and even then there were things I missed) , but a product should probably come with all the necessary information to apply itself.

More tints, or premixed colors

While I realize that it's not too difficult to mix the colors up yourself, the fact that the color pigments are dissolved in the base polyurea itself implies that it's not too difficult to mix the entire thing before shipping it out. Alternatively, provide additional color pigments (at least a version of blue!).

Overall thoughts

- Perfect coverage estimation
- Light floor prep required
- Incredibly easy application
- Hard to see clearcoat (duh)
- Need warnings on applying too thick of a coat
- Still unsure as to when I should apply the second coat (6 hour cure time, 8 hour foot traffic)
- Instructions would be great
- As would additional colors