



## **ARMOR II APPLICATION INSTRUCTIONS**

Wash floor, power washing is preferred to get the floor as clean as possible. Mix etch solution with water per instructions on bottle. Disperse mixed etch solution evenly over wet floor in a 400-500 sq ft area, Scrub in with stiff bristle shop broom. After scrubbing in let stand for 5 minutes(DO NOT LET FLOOR DRY) then rinse off with fresh water thoroughly. Then mix up the next bottle and do the next section, work your way so that you are not rinsing etch solution onto an already etched area. Do each section until entire floor has been etched and rinsed. TSP Powder, spread the provided powder over floor after etching process has been completed and floor is still wet, brush in and rinse thoroughly. This will further clean the floor and neutralize the acid. If runoff is flowing over a finished surface it's recommended that you wet down that surface thoroughly prior to rinse off. It is important to rinse off all the acid solution completely. Floor should be clean of all dirt, oil and grease stains. If not repeat steps above or use alternate methods to remove any remaining dirt and or any stains.

Epoxy will not adhere to oil, grease or other dirty and stained parts of the floor. Floor should have the feel of an Emry Board when you rub your hand over it AND WATER SHOULD SOAK IN IMMEDIATELY AND NOT BEAD UP WHEN DROPLETS ARE SPRINKLED ON. If water beads up it means a sealer was present in the concrete, reetch with a 50% muriatic acid solution and then neutralize with TSP. Water should now not bead up and soak into floor. If not you may have to remove sealer by sanding or grinding. You can add 64 ozs of muriatic acid per gallon of Acid Safe solution provided in the kit for a stronger solution to achieve the desired results. This is recommended for very dirty floors or new floors.

New floors have extra curing residues that accumulate at the surface and the stronger solution will help burn them out.

For floors with a previous coating on it we recommend priming to ensure an adequate bond. We recommend using our Special Primer to achieve proper bonding between two different coatings.

Sand & Etch the previous coating. You can use a floor buffing machine with a black pad to scuff up the floor. Then etch as above.

If previous coating is mostly flakeing or peeling it is best to remove it completely.

Let floor dry 48 hrs or until floor is completely 100% dry. Failure to thoroughly clean, rinse etching and or not letting floor dry completely can result in improper curing and or adhesion of the epoxy which is not covered under the warranty.

If using the Special 1 Part Flash Bond Primer apply per the label instructions. Mix contents of can thoroughly. Once mixed pour into roller pan and roller onto floor in an even light coat. Let primer dry for a full 24 hrs.

You may pour a bead of the primer directly onto the floor and roller out.

#### EPOXY(ARM-144X):

Before mixing epoxy make sure epoxy is at room temperature and floor slab temperature is above 50 degrees. Product or floor temperatures below 50 degrees will result in an improper cure.

It is important that you mix the epoxy properly. Slowly stir each can of the epoxy(part A & part B)separately with paint stir sticks or mechanical mixer for 2-3 minutes, COLOR SHOULD BE UNIFORM. Once you have stirred each can separately. The epoxy gets mixed together at a 1 part “A” to 1 part “B” ratio. Pour the measured A & B parts into a mixing container and mix for approximately 3 minutes on medium-high speed with the supplied mixer until the color is uniform and there are no streaks. It is important to be accurate in your measurements, otherwise a proper cure may not occur which is not covered under the warranty. To simplify use calibrated plastic containers to measure out each portion of Part A & B. Mix in batches and only enough that you can apply in 1 hr as epoxy will begin to set up after that. Note:

If you are in one of the following states IL,NJ,NY,OH,IN,MD,RI,NH,VT, PA, ME VA, CA, CT, DE, CANADA or KYdue to new VOC restrictions you will have recieved a 4:1 ratio base coat labeld ARM-015X.

Each 2 gallon set ships in one 4 part box. Mix 1 small can into 1 large can mix well and apply then repeat for second set.

Pour the mixed epoxy right into a roller pan. You may as an option pour the epoxy directly onto the floor in a bead from left to right. Then roller epoxy out in an even coat as if you were painting with a conventional wall paint. Do not over roller as this may cause air bubbles to form. Don't worry about roller marks as epoxy is self leveling and roller marks will disappear. Let epoxy dry to the touch, usually 5-8 hrs to overnight. Epoxy when cured should be rock hard to the touch. Epoxy may dry in uneven dark and light spots, this is due to different absorption rates in some parts of the floor. This happens occasionally with lighter colors and is taken care of by the topcoat. If you ordered Red, you will have recieved additional epoxy for a second coat. Apply the first coat thinly so that you cover the entire floor area, again do not worry about bleed through or streaks just be sure to use all the material over the entire floor.Let the first coat dry to the touch, aprox 4-5

hrs then apply the second coat, be sure to use all the material once again and roller on evenly. If there is any minor unevenness the topcoat will cover that. Apply topcoat within 48hrs of the base coat. If you ordered White you will have received Special Primer to apply as the first coat as per the instructions above. You will have also received additional epoxy, again try to use all the material.

Topcoat- ARM-321X or ARM-322X for Low VOC States.

Application and mixing of the topcoat is identical to that of the epoxy except that the Topcoat is mixed in a 2:1 ratio. 2 Parts "A" to 1 Part "B". If a non skid surface is desired, mix the non skid additive into the topcoat at 3/4-1 can per 1.5 gallons of topcoat. Stir topcoat frequently as nonskid tends to settle to the bottom. Be careful when mixing not to mix up epoxy components with topcoat components, this will result in the epoxy and topcoat not curing. Epoxy and Topcoat cans are colored coded so as not to mix up.

Pour mixed Topcoat into roller pan and apply with roller. Do not mix all of the Topcoat at once, mix in small batches to avoid product curing prematurely. Two batches per 1.5 gallons is recommended. Let topcoat dry approximately 24 hrs for foot traffic, 48 hrs for light vehicle traffic and 72 - 96 hrs for forklift traffic. You now have one of the finest looking and most durable epoxy floor finishes available other than our Ultra Military Grade System!

Armor II System provides a rock hard low maintenance finish so no harsh chemicals are needed for cleaning, in fact most times just water and damp mop is all that is needed. For tougher clean ups use Mild Dish Soap or Natural Cleaners.

The Topcoat is designed to resist abrasion and wear and will stay looking new for many many years. Should the time come when the Topcoat needs a refresher you can simply roll on another coat of the Topcoat bringing your floor right back to brand new.

Installation is very straight forward, the key is to have a clean, dry floor and just take your time when mixing. If you do those three things you will have no issues. If you do have any questions before, during or after please feel free to contact us at Any Time. For after hours support use [support@armorgarage.com](mailto:support@armorgarage.com).