



V1

PREP AND INSTALLATION INSTRUCTIONS FOR ARMORBREW NOVOLAC EPOXY KIT SYSTEM

READ INSTRUCTIONS CAREFULLY BEFORE MIXING AND APPLYING

Issues with your order? Please contact ArmorPoxy for assistance: www.armorpoxy.com

Disclaimer.....	2
Floor Testing.....	2
2.1 Concrete Concerns.....	2
2.2 Sealed Concrete.....	2
2.3 Painted Concrete.....	2
2.4 New or Unpainted/Unsealed Concrete.....	2
2.5 Moisture Test for Concrete.....	2
Preparation Notes.....	2
3.1 Floor Repair.....	2
3.2 Preparation Methods.....	3
3.3 Drains/Open Areas.....	3
ArmorBrew Epoxy Floor Kit Instructions.....	3
4.1 First Layer (Epoxy Primer).....	3
4.2 Second Layer (Topcoat).....	3
4.3 Cleanup.....	3
Floor Machine Preparation Recommendations.....	3
5.1 Shot Blasting.....	3
5.2 Diamabrush Wheels.....	3
5.3 Diamond Floor Grinders.....	4
5.4 Hand Grinding.....	4



v1

Disclaimer

No two floors are alike, and variations in surface texture, porosity, and concrete type can all affect the final results. ArmorPoxy products are designed to be used as recommended, but results may vary based on field conditions. Testing with liquid samples is recommended to ensure satisfactory results.

Floor Testing

2.1 Concrete Concerns

Concrete surfaces may have specific conditions that impact the effectiveness of the epoxy coating, such as sealing, painting, or moisture levels.

2.2 Sealed Concrete

If concrete is sealed, it may prevent the epoxy from adhering properly. Test by dripping water on the surface. If it beads up, the surface needs to be re-etched or ground to remove the sealer.

2.3 Painted Concrete

Painted concrete should be stripped and etched. ArmorPoxy offers a cement floor stripper for this purpose. If stripping is not possible, use a power washer, sander, or ArmorPoxy's "No Prep Primer."

2.4 New or Unpainted/Unsealed Concrete

Newly poured concrete must cure for at least 30 days to avoid coating failure.

2.5 Moisture Test for Concrete

Test for moisture by taping a 4'x4' sheet of clear plastic on the floor. If moisture or darkening appears underneath after 24 hours, the floor may not be suitable for coating.

Preparation Notes

3.1 Floor Repair

Floor preparation is critical for ensuring a lasting epoxy coating. ArmorPoxy offers products for repairing cracks and damage. Poor preparation can result in coating failure and void the warranty.



v1

3.2 Preparation Methods

There are several methods to prepare the floor, including sweeping, power washing, sanding, acid etching, and surface grinding. This kit comes with acid etching for prepping the floor.

3.3 Drains/Open Areas

For areas around drains or floor edges, cut a 1/8" wide by 1/8" deep slot into the concrete to create a clean edge. This prevents water migration under the epoxy, which can cause swelling and de-bonding.

ArmorBrew Epoxy Floor Kit Instructions

4.1 First Layer (Epoxy Novolac Primer)

The epoxy primer is mixed at a 2:1 ratio and is self-priming on both cement and metal surfaces. Avoid direct sunlight or heat during mixing. Use a mechanical mixer and mix thoroughly for **2-3 minutes** at medium speed. Apply and roll out the coating. This can be done by pouring the material directly onto the floor and spreading evenly with the roller or poured into a paint tray and then dipped and rolled on. Ensure to use the provided spiked shoes for an even application and to spread out any over poured areas. Once the floor is evenly coated **Broadcast the Aluminum Oxide (non-skid additive) while the epoxy is wet** across the entire floor. Go back over the floor with the spike shoes to ensure you did not miss any spots. Let the epoxy dry overnight (12 hour min dry time) before applying the topcoat.

4.2 Second Layer (Epoxy Novolac Topcoat)

Apply the topcoat 12-48 (maximum) hours after the epoxy layer. If more than 48 hours have passed, lightly sand and clean the surface with denatured alcohol as the floor is fully bonded and will not accept a topcoat. The topcoat is also mixed at a **2:1 ratio**. Mix the topcoat Part A and Part B together for 2-3 minutes at medium speed. Allow the topcoat to dry overnight before light **foot traffic and 5-7 days before heavy vehicle use.**

4.3 Cleanup

Use xylene (xylol) to clean tools and equipment after application.

Floor Machine Preparation Recommendations

5.1 Shot Blasting



v1

Shot blasting should only be done by professionals as it can leave marks on the floor. It is best for removing dirt or grime from rough surfaces but not for removing coatings.

5.2 Diamabrush Wheels

Diamabrush wheels can be rented and used with a traditional floor buffer. They work well for smaller projects but may leave scratches if using a rougher grit.

5.3 Diamond Floor Grinders

Diamond floor grinders are recommended for larger projects. These machines grind the surface and open the substrate for better adhesion. Make sure to vacuum thoroughly to remove dust.

5.4 Hand Grinding

Hand grinders can be used for small areas or to fix rough spots. However, they can leave swirl marks and are best for spot repairs. Always use proper safety equipment, including a dust shroud and vacuum.