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Product Overview

H2Poxy-A is a hydrophobic, **dual-component**, above-the-water-line epoxy product that features extreme toughness and adhesion. H2Poxy-A retains zero water when left submerged in salt water for up to 12 days. H2Poxy-A will not react to mist, humidity, rain, or water spills even while in an uncured state. H2Poxy-A may even be applied to green concrete, cured concrete, and even wet metal while still retaining full effectiveness. The two components are mixed at a 2:1 ratio and can then be brush, rolled, or spray applied.

Measuring Your Epoxy Products Carefully & Accurately

Cautiously Measuring your resin and hardener is an absolute must to ensure that your epoxy will cure securely.

- First, determine the volume of elements that your application requires. Start small. If you require more epoxy resin, you can always come back to this step to make another batch to spread the epoxy evenly.
- Use a graduated measuring cup to measure the epoxy resin. Be attentive to the bottom of the curved liquid surface, known as the meniscus, meets the line that you are pouring the epoxy to. If your epoxy is warming it will lay flat in the graduated measuring cup, but give is a moment to settle before calculating the amount of hardener required.
- After you have measured the correct amount of epoxy, pour the required hardener into the mixture. H₂Poxy systems require a 2:1 ratio by volume. This means you must pour two portions of BASE to every one-part ACTIVATOR. (EPOXY TIP: for satisfactory curing, always be sure that the space you are working, and handling the substrate and epoxy are kept at a temperature of 70-75 degrees Fahrenheit or 21-24 degrees Celsius before mixing your products.)
- After mixing give yourself 2 minutes to allow the air to escape.



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Mixing Epoxy Resin Correctly

Dispense the correct portions of epoxy resin and hardener into a clean plastic, metal, or waxfree paper container. Do not use foam containers. Before stirring, take into account that mixing epoxy too quickly or too long will induce additional air bubbles into the mixture.

Additional bubbles will increase the chances of air bubbles in your final epoxy coat. Stir the two epoxy ingredients thoroughly; time yourself for at least 1 to 3 minutes until the products have a single consistency.

Scrape the sides and bottom of your container as you mix, and remember to use the flat end of your mixing tool to reach all corners of your container. H₂Poxy should not have any lines or color of the hardener visible.

Quickly pour the epoxy into a roller pan, or into your airless spray equipment to apply immediately, this will extend the Pot-life and working time.

- Make sure you stripe, or coat all edges and corners before you start to cover the entire project. Let the epoxy sit at least 30 minutes. , check for runs and strings. Let it sit to stop any cascade.
- Before starting your first coat make sure it is still tacky as you start.
- On concrete you will need two or more coats
- H₂Poxy is a self-leveling product so it will go into every concrete deformity.
- If bubbles persist, use a porcupine roller.

Be Mindful of Air Emitting From Non-Sealed Materials

If you are applying epoxy on top of concrete, or other porous surfaces, it is necessary to apply a sheer coat of epoxy before your second coat of H₂Poxy coating.

A thin layer on a permeable material will seal and prevent air from emitting throughout your flood coating. This can be with applying C2M as a primer to concrete or metal or a thin coat of the Epoxy. Second coat can be applied when the material is tacky.



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Epoxy Application Instructions

Once your epoxy components are measured and mixed correctly, here are basic epoxy application notes to keep in mind:

POT LIFE

Once properly mixed, you will have approximately **35 minutes** window for application per one pot of H2Poxy-A

MANUAL APPLICATION METHOD

You may use a brush, roller, or notched squeegee to apply if needed. The thickness you need to aim for is about 1/8th to 1/16th inch. (6 mils)

PREFERRED APPLICATION METHOD

Applying H2Poxy-A via an Airless Spray Gun is best, please choose a 56-61 to 1 size compressor. Tip size for best results is 319-623.

SUBSTRATES THAT CAN ACCEPT H2POXY-A

Along with normal epoxy friendly substrates (cleaned and prepped) H2Poxy-A can be applied to wet substrate concrete or metal.

ENVIRONMENTAL CONDITIONS

Even in slightly unfavorable weather conditions H2Poxy-A will still work if rain or moisture occurs during cure cycle.

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Application Guide for Flooring Projects

- Make sure the application area floor is clean with no efflorescence and check for moisture. [extra equipment may be need equipment for this.]
- Use a golf ball or some equivalent to see if the floor is level H2Poxy is a self-leveling product.
- Tape all walls and corners that come in contact with application area.
 - Cut [apply 3 inches of H2Poxy] the length of the wall and the corners. You cannot get the roller exactly next to the wall without making a mess. This is important.
- Be sure to have a large supply of short nap rollers and chip brushes as they will need to be changed every half an hour for the duration of the project
- Pour the epoxy on the floor and roll it out.
 - If your project area is a wall or other vertical surface, the H2Poxy needs to go into a tray.
- DO NOT GO BACK OVER ANY AREA THAT HAS ALREADY BEEN APPLIED WITH H2POXY. AFTER THE PRODUCT SETS, SUBSEQUENT APPLICATIONS OF H2POXY WILL STREAK AND PULL THE EXISTING SET EPOXY AND IT WILL BE NECESSARY TO GRIND IT OFF TO RESTART THE PROCESS.
 - It is very important to avoid the above scenario, since it will take a tremendous amount of time to restart
- For floors, the final thickness of applied product should be at a total of 6 mils, which can typically be achieved with one coat. Add grit if required and back roll.
- Look over the completed area for a last chance back roll.
- Return to project the next day for any necessary touch ups.

Pay Special Attention to:

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- When spraying H2Ppoxy you may need to add acetone or xylene so it will more easily move through the hose.
- Add no more than 3% of acetone or xylene per product volume. Adding these will extend cure time.
- If rolling the product, it will need to be mixed out of the pail in a different container.



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Application (continued)

Do Not Neglect Bubbles Arising After Applying Epoxy Floor Coating

It is essential that when this happens, you are prepared to heat-gun the bubbles out before the resin thickens and cures. Use a heat gun on its low heat levels and aim the gun parallel to the bubbled surface, make sure you are not aiming directly straight down on the bubbles, the heat gun should always be at an angle.

REMINDER: For spraying add a maximum of 3% acetone or xylene for easier movement of product through your spray equipment hoses. Adding a thinning agent will extend cure times.

Refer to our Material Safety Data Sheet (MSDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product.

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