MAXON Technologies

H2Poxy-B (BELOW Waterline)

Application Instructions

9/20/20 Version 1.0

Product Overview

H2Poxy-B can be applied on wet concrete that is frequently submerged in water, and even on substrates while under water.

Conventional application above the waterline may be completed like all of our family of epoxies, and can be brushed, rolled, sprayed, or troweled

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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Notes on Applying While Under Water

- Underwater application requires a wooden trowel, or thick rubber gloves to trowel and or push the epoxy over the concrete or metal.
- More material will be required to cover the same square footage compared to our other epoxies when using this specific method.
- Do not allow the H2Poxy to run by spreading the material slowly and keeping the trowel or gloved hand on the epoxy until it holds onto the substrate firmly.

Pay Special Attention to:

- 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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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 heat gun at an angle 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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