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> JDiction 1.06 Gallon Epoxy Resin User Manual

## JDiction 1.06 Gallon

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High Gloss, Easy 1:1 Mix, Self Leveling, Non-Toxic, Crystal Clear & Bubble Free

## 1. PRODUCT OVERVIEW

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The JDiction 1.06 Gallon Epoxy Resin kit provides a premium, professional-grade solution for various crafting and coating projects. This 1:1 volume ratio epoxy resin system is designed to cure with a perfectly crystal clear, high-gloss, and hard finish, resistant to scratches and yellowing. Its self-leveling and non-toxic properties make it ideal for both beginners and experienced crafters.



Figure 1: Jdiction 1.06 Gallon Epoxy Resin Kit components.

## 2. SETUP AND PREPARATION

### 2.1 Workspace and Safety

- Ensure your work area is well-ventilated to minimize exposure to fumes.
- Maintain a clean, dust-free, and level surface for your project.
- Optimal working temperature is between 70-80°F (21-27°C). Colder temperatures can increase viscosity and lead to more bubbles.
- Always wear appropriate personal protective equipment, including gloves and eye protection, to prevent skin and eye contact.

### 2.2 Mixing Instructions

1. Measure the epoxy resin (Part A) and hardener (Part B) by volume in a strict 1:1 ratio. Accurate measurement is crucial for proper curing.
2. Pour both parts into a clean, dry mixing container.
3. Stir slowly and thoroughly for 3 to 5 minutes. Ensure you scrape the sides and bottom of the container to incorporate all material. Continue mixing until no streaks or swirls are visible, indicating a uniform mixture. Avoid rapid stirring, which can introduce excessive air bubbles.

4. For best results, transfer the mixture to a second clean container and stir for another 1-2 minutes. This 'double-mixing' technique helps ensure complete blending.

## SELF LEVELING & DEGASSING

Easy 1:1 Ratio, self leveling, self degassing, non-toxic and no fumes.



Figure 2: Proper measurement and mixing are essential for optimal results.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Application

- Once mixed, immediately pour the resin over your prepared project surface. The resin has self-leveling properties, which will help create a smooth, even coat.
- The working time (pot life) for JDiction Epoxy Resin is approximately 30-45 minutes, allowing ample time for creative adjustments.

#### 3.2 Bubble Removal

- After pouring, allow a few minutes for bubbles to rise to the surface.
- To remove bubbles, gently pass a heat gun over the surface of the resin, holding it approximately 8 inches away and moving it continuously. Alternatively, you can exhale over the surface (using a straw for precision) as the carbon dioxide helps pop bubbles.
- Repeat this process as needed within the working time until the surface is clear.

### 3.3 Curing

- The resin will be touch-dry in approximately 8-12 hours, depending on temperature and humidity.
- For full hardness and durability, allow the resin to cure for 24-72 hours. The full cure time is 72 hours.
- Protect your project from dust and debris during the curing process.

## PREMIUM CRYSTAL CLEAR EPOXY

High gloss formula cures a perfectly crystal clear finish with no bubbles!



Figure 3: Example of a project with a premium crystal clear, high-gloss finish.



**COASTER**



**JEWELRY**



**HOME DECORATE**



**CRAFT**



**TRAY**



**TABLE TOP**

Figure 4: JDiction Epoxy Resin is suitable for a wide range of applications, from jewelry to large table tops.

## 4. MAINTENANCE

### 4.1 Cleaning Tools

- Clean all mixing tools, containers, and spatulas immediately after use with isopropyl alcohol or acetone before the resin cures.
- Once cured, epoxy resin is very difficult to remove.

### 4.2 Storage

- Store unused resin and hardener in their original, tightly sealed containers.
- Keep containers in a cool, dry, and dark place, away from direct sunlight and extreme temperatures.
- Proper storage helps maintain the product's shelf life and prevents premature yellowing or degradation.

## 5. TROUBLESHOOTING

### 5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Excessive Bubbles	Mixing too fast, cold resin, pouring too thick.	Mix slowly and thoroughly. Warm resin bottles in a warm water bath before mixing. Use a heat gun or exhale over the surface after pouring.
Sticky or Soft Cure	Incorrect 1:1 mixing ratio, insufficient mixing, low ambient temperature.	Ensure precise 1:1 volume measurement. Mix thoroughly for the recommended time. Maintain optimal room temperature (70-80°F).
Yellowing Over Time	Prolonged exposure to UV light.	JDiction Epoxy Resin features excellent color stability and is formulated to resist yellowing. For outdoor projects, consider additional UV-resistant topcoats if extreme exposure is expected.

## 6. SPECIFICATIONS

- **Brand:** JDiction
- **Model:** 1.06 Gallon Epoxy Resin
- **Item Form:** Liquid
- **Mix Ratio:** 1:1 by volume
- **Working Time:** 30-45 minutes
- **Touch Dry Time:** 8-12 hours
- **Full Cure Time:** 72 hours
- **Special Features:** Self-Leveling, Heat Resistant, Non-Toxic, Crystal Clear, Bubble Free, High Gloss, UV Resistant
- **Compatible Materials:** Wood, Resin, Acrylic, Art, Craft, Jewelry, Countertop, Table Top Coating
- **Water Resistance Level:** Water Resistant
- **Item Weight:** 10.01 pounds
- **Manufacturer:** SHENZHEN JINHUA ELECTRONIC MATERIALS CO,LTD

## 7. SAFETY INFORMATION

While JDiction Epoxy Resin is non-toxic and low odor, it is important to follow general safety guidelines when working with chemical products:

- **Ventilation:** Always work in a well-ventilated area.
- **Skin Contact:** Avoid direct skin contact. Wear gloves. If contact occurs, wash immediately with soap and water.
- **Eye Contact:** Wear safety glasses or goggles. If contact occurs, flush eyes with plenty of water for at least 15 minutes and seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Call a poison control center or doctor immediately.
- **Children and Pets:** Keep out of reach of children and pets.
- **Disposal:** Dispose of cured resin and waste materials according to local regulations. Do not pour liquid resin down drains.

## 8. WARRANTY AND SUPPORT

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JDiction is committed to providing high-quality products and excellent customer service. If you encounter any issues or have questions regarding your JDiction Epoxy Resin kit, please refer to the instruction manual provided with your product or contact our customer support team. We strive to respond to all inquiries within 24 hours to ensure your satisfaction.

For further assistance, please visit the official JDiction Store on Amazon: [JDiction Store](#)