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EPOXY

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TECHNICAL DATA SHEET
24HR FAST CURE
DEEP POUR EPOXY

PRODUCT FEATURES

Mix Ratio by Volume	1 Part Resin : 1 Part Hardener
Work Time (100 gram mass)	1 hour
Demold Time	24 hours
Full Cure Time	3-5 days
Pour Depth	up to 3" in small quantities. Larger pours of 2 gallons or more may be poured in layers of 1.5" or less.
Shelf Life	6 months
Best Work Temp	75-80° F humidity less than 85%

BEFORE YOU BEGIN

WORK AREA: Cleanliness: Project area should be clean, dry, dirt- and dust-free, and level for best results as resin is self-leveling. Protection: A plastic drop cloth is recommended to protect surfaces. Restrictions: Do not use this product over oil-based stains, paints, or urethanes. Resin is affected by temperature and humidity. For best results and optimal working and curing conditions, room temperatures of between 65°F–75°F (18°C–24°C) and humidity levels of no more than 85% are recommended.

TOOLS YOU WILL NEED

- Plastic Drop Cloth – to protect surfaces
- Stir Sticks – for mixing
- Mixing Contaianers
- Torch/Heat Gun – to remove bubbles

NOTE: A seal coat is required when working on porous surfaces (we suggest using Promise Table Top Epoxy).

IMPORTANT: PLEASE NOTE

- Projects: Ideal for smaller deep pour projects such as coasters, deep small molds, charcuterie boards, and small cookie end tables.
- Storage: Store in a dry, temperature-controlled place with lids tightly sealed to prevent oxidation and moisture degradation.
- Additives: Do not add any agents or mix with other resins. Use only as directed.
- Consistency: Do not thin or thicken the formula.
- Cleaning: Use at least 90% alcohol to clean between layers. Let it dry for 1 hour before applying resin.

MIXING & POURING

Promise Fast Cure Deep Pour Epoxy Resin is mixed in a 1:1 ratio by volume. Combine 1 part A (resin) and 1 part B (hardener) in a mixing container. Mix with a stir stick until the resin is clear with no swirls of unmixed material. Scrape the sides and bottom during mixing to ensure thorough incorporation of the two parts.

PRO TIP: Mix only what you think you will need as leftover resin can't be saved. Mixing too vigorously or too long will result in the start of the curing process. Use new, clean containers for each batch of resin mixed.

BE PREPARED: Be ready to pour mixed product when you finish mixing. Allowing mixed product to sit in the mixing vessel will accelerate the curing process and could result in the product curing before it can be poured.

POURING & SPREADING

SEAL COAT: All porous surfaces require at least one initial seal coat (we suggest Promise Table Top Epoxy). A seal coat should be brushed on very thinly and applied before a flood coat. You can move on to your pour 3 hours after the last seal coat is applied.

FLOOD COAT: Promise Fast Cure Deep Pour Epoxy Resin is a casting resin that can be poured up to 3 in (7.6 cm) thick in small quantities. Larger pours of 2 gallons (7.57 liters) or more may be poured in layers of 1.5 in (3.8 cm) or less. We recommend a work environment temperature of between 65°F–75°F (18°C–24°C) and using fans on your project to help dissipate heat. After 24 hours, another layer may be poured onto the previous layer. If the prior layer has cured, the previous layer should be lightly sanded (200–300 grit) and wiped clean with 90%+ isopropyl alcohol, denatured alcohol, or acetone before pouring your next layer.

REMOVING BUBBLES

Use a torch or heat gun 8 in (20 cm) away from the surface in a waving motion to remove bubbles that form in seal and flood coats. After a flood coat, you can intermittently apply heat up to approximately 60 minutes. Do not apply heat past 60 minutes or you risk burning/scorching the resin.

WORKING & CURING TIMES

Working Time: Promise Fast Cure Deep Pour Epoxy Resin has a working time of 1 hour once mixed. Demold Time: 24 hours. Full Curing: Results in 2-3 days depending upon ambient conditions (temperature and humidity) and depth of pour.

CLEAN UP & DISPOSAL

Use acetone, rubbing alcohol, or nail polish remover to clean tools and surfaces. Once resin has fully cured, it is inert and not a hazard, and so may be disposed of as non-hazardous waste in most municipalities.

STORING UNUSED RESIN

Unmixed resin and hardener have a long shelf life of 6 months. Store in original containers in a cool, dry place. Over time, the unused material may yellow/amber. This is to be expected with most resins.

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