

Hammer Roo All Purpose Epoxy

Hammer Roo All Purpose Epoxy (APE) is a 2-part epoxy resin system. It is designed as an easy to use 2:1 mix ratio by volume. APE is suitable for crack filling & thin casting applications up to 15mm in depth. APE has a quick cure speed allowing for quick physical property development and demolding. APE exhibits a low viscosity giving excellent air release.

Technical Data

Colour - Clear Liquid
Heat Resistance - Up To 90°C
Pot Life (25 °C): 30-45 mins
Cured to solid state: 24 hours
(volume dependent)
Time Between Recoats: 2-3 Hours
Cure to maximum strength:
7 days
Shore D Hardness (at 20 °C): 89D
Coverage -
Coating 1m²/L = 1mm Depth
Casting Max. 10-15mm depth in
single pour without exceeding 15L

Surface Preparation

Working area should be covered with cardboard or plastic. The surface to be coated should be dry and free of contaminants.

Mix Ratio

2 Part A Resin to
1 Part B Hardener by VOLUME

Mixing

Nitrile gloves should be worn while handling. Ensure APE Part A and B are shaken prior to pouring and mixing. Graduated plastic mixing containers are recommended for measuring volumetric quantities. The product can be stirred by hand or with a paint mixer. Mix only enough material for immediate use. Care should be taken to avoid the introduction of air into the mixture. Mix until a clear mixture is achieved, free of striations. This should take approximately 2-3 minutes. Ensure material from the bottom and edges of the container are scraped and folded into the mixture. Mix for an additional 1 – 2 minutes.

When completing a project in stages the waiting time is around 2-3 hours between pours or until it is firm or is in the gel stage.

Tinting

APE can accept a broad range of powdered pigments and liquid tinters, however Black Diamond Pigments range of pigments and tinters are recommended to achieve the best results.

Shelf Life

2 years unopened. 6 Months opened (approx)
Store in a cool, dry area & out of direct sunlight

Pack Size

1.5L, 3L, 6L, 12L & 30L

Application

All porous surfaces should be primed with APE to ensure the surface is completely sealed. This will eliminate the amount of bubbles that come out of the timber. Mix with a drill mixer at a slow speed for 2 minutes. Ensure the sides and bottom of the container/bucket are mixed. Tilt the drill to the side to ensure the product on top of the container/bucket is mixing in with the product on the bottom. Bubbles will normally release by themselves, if you need to remove bubbles from the coating it is suggested to use a low heat gun from a distance of about 15-20cm waving the heat evenly across the top. Avoid holding the heat gun in a single spot for a prolonged period of time.

This product is designed for thin casting applications. For applications exceeding 15mm deep, it is recommended that HOM RIVER CAST be used instead.

Limitations

Avoid working in conditions that could cause condensation to form on the uncured coating, and give rise to amine surface "bloom" or "blush". Do not thin this product. Do not change the mixing ratio. If casting exceeds 15mm there is the potential for excess heat to develop, giving rise to shrinkage and discolouration.

Maximum of 15L (mixed Part A and Part B) is advised for large pours in order to control the maximum exothermic curing temperature. DO NOT POUR MULTIPLE MIXES AS A SINGLE POUR. All Epoxies will reach a higher temperature when conducting larger pours.

Clean Up

Equipment can be cleaned with xylene or acetone immediately after use. Hardened materials must be removed mechanically

Safety

Refer to material safety data sheet. Avoid skin contact. Mix and apply with adequate fresh ventilation.

Disclaimer

Hammer Roo products should be used in accordance with the information contained here. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained here is to the best of our knowledge at the date of publication, Hammer Roo makes no representation about the accuracy of the information. If you need clarification or more information, you should contact our office directly. Hammer Roo products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Hammer Roo accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Hammer Roo products or reliance upon the information contained here



Website

HammerRoo.com.au



Email

Info@HammerRoo.com.au



Phone

(07) 3180 2311



Address

Unit 48/17 Cairns St
Loganholme QLD 4129