



R-EPOXY UV

Technical Data Sheet

Description

R-EPOXY UV is a 2 component epoxy system. It is formulated for thin layer application.

R-EPOXY is a made from premium quality raw material. It offers very high resistance to UV (anti-yellowing). It gives a high level of gloss to your project. R-EPOXY meets FDA requirements (contact with food),no VOC free and without BPA.

Common applications

- Bar tops
- Table top
- Cracks and knots in wood
- Logo engraving
- Resin jewelry
- Arts and crafting

Restrictions

•**In case of freezing:** The molecules of part A tend to agglomerate in cold weather, which has the effect of creating the formation of crystals/sediment in the bottom of the container (the epoxy has a blurred appearance). It is essential to reheat the containers in a hot water bath until the temperature of the product reaches 55°C (130F). Following this procedure will bring back the product to a liquid state (**see crystallization document for more details**). **Please note that no replacement or compensation will be granted. It is the responsibility of the user to check the condition of the product before each use.**

•R-EPOXY UV should be kept in a dry place between 20°C and 25°C (68F/ 77F), away from the sun and out of reach of children.

•Resin and hardener should not be left in an open container.

•It should not be used when humidity is above 60% and when the temperature exceeds 30°C (86F).

•R-EPOXY UV should be used within one year of purchase.

Technical specifications and mechanical data

<u>Colour</u>	<u>Clear</u>
<u>Mixing ratio by volume</u>	<u>1A : 1B</u>
<u>Mixing ratio by weight</u>	<u>110A : 100B</u>
<u>Viscosity</u>	<u>2500cps</u>
<u>Pot life when mixed at 21° (69f)</u>	<u>30 minutes</u>
<u>Gel time (swirls)</u>	<u>45 to 60 minutes</u>
<u>Recommended full cure</u>	<u>12 hours</u>
<u>Ideal working temperature</u>	<u>18–21°C (65–70F)</u>
<u>TG Ultime (glass transition)</u>	<u>75°C (167F)</u>
<u>Recommended thickness per coat</u>	<u>Min 1/16'' – Maximum 1/4''</u>
<u>Peak exotherm temperature</u>	<u>39°C (102F)</u>
<u>Hardness (shore D)</u>	<u>82</u>
<u>Cleaning</u>	<u>Liquid : Xylene / Acetone</u> <u>Hardened : Sanding</u>
<u>VOC (g/l)</u>	<u>0</u>
<u>Antibacterial</u>	<u>Yes</u>
<u>Spread rate (on wood)</u>	<u>10ft²/ liter (1st coat)</u> <u>15ft² / liter (2nd coat)</u>
<u>Permeable</u>	<u>No</u>

Application

In a graduated container, mix for 5 minutes following the mixing ratio 1A: 1B. Apply evenly with an epoxy spreader. Use a blowtorch to remove surface bubbles. . R-EPOXY UV is self-leveling. Wait at least 12 hours before sanding (if necessary).

Health and safety

In case of contact with skin, wash with soap and water for 5 minutes. In case of contact with eyes, rinse immediately for about 15 minutes. In case of respiratory problems, transport the victim to fresh air. Components A and B contain toxic ingredients that can cause severe allergic reactions. If in doubt, consult a doctor immediately. Prolonged contact can cause skin irritation. Wear gloves and safety glasses at all times. When sanding, use a dust collector and a NIOSH/MSHA approved respirator. See Safety data sheet for more details.

Important notice

The information and recommendations contained in this document are based on reliable results and tests according to Ryver epoxy. If used in combination with other materials, results may vary. It is the user's responsibility to test the product before using it on a large scale.

Ryver epoxy assumes no legal liability for direct, indirect, consequential economic or other damages. Unless otherwise agreed, Ryver epoxy will not assume any replacement of product in case of misuse or lack of knowledge towards said product. It is the responsibility of the user to read this data sheet in order to understand the constraints related to the use of this product.

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