



TDS - OCEAN RESIN

Emisión:
29/11/2024



IDENTIFICATION OF THE PRODUCT

OCEAN RESIN, the highest viscosity transparent epoxy resin by Resin Pro, is perfect for creating marine-themed artwork: its layers of color do not blend, allowing you to preserve the original design of your creation.

Sizes: 2kg and 10kg

Uses: Specifically designed for creating marine-themed art or paintings where minimal color blending is desired. This is a very high-density resin.

Description

The new Ocean Resin is a transparent, self-leveling epoxy system, resistant to UV rays and humidity, that forms a hard, glossy protective layer.

Its ultra-high-density structure allows for the creation of paintings using the "pour paint" technique or surface coatings without the risk of excessive drips or spills, making this resin ideal for creating perfect marine representations.

Colors do not expand or mix unless intentionally manipulated, ensuring total fidelity to your creative vision!

Designed to better withstand environmental humidity, it creates a glossy, self-leveling surface that is completely odorless, solvent-free, and certified as safe after curing.

Applications:

Enjoy the longevity of your creations! OCEAN RESIN is specially formulated to resist yellowing over time, ensuring that your artwork remains vibrant and captivating.

The OCEAN RESIN epoxy resin with very high viscosity is ideal for:

Ocean Art and other resin works on surfaces: marble, geode, abstract art, space art, using the "fluid-art" technique, etc.

Art panels and other artistic works, creating a perfectly transparent protective layer over your creations.

Compatible with dyes, powdered pigments, alcohol-based and oil-based dyes, and spray paints.

Avoid using on damp surfaces or with water-based dyes (e.g., acrylics).

Recomendaciones:

Avoid using on damp surfaces or with water-based dyes (e.g., acrylics).

To obtain maximum product performance, the following instructions should be carefully observed:

Respect the mixing ratio A+B (1:1 by weight). Use an electronic scale following this simple formula:

The same quantity of A as B always by weight.

Some examples:

For every 100 grams of A, add 100 grams of B. For every 150 grams of A, add 150 grams of B.

ALWAYS BY WEIGHT.



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Instructions for use

Once the proportions of A and B are weighed, mix in all directions, especially along the sides and bottom of the cup, for at least 3 minutes. It is recommended to do a double pour, which means that once you have mixed the resin for 3 minutes, pour this mixture into a clean new cup and mix everything again for another 30 seconds. This ensures the mixture is correct and homogeneous.

After this, let the resin rest for 2-3 minutes to allow any air bubbles to rise to the surface.

As this is a very high-density resin, many more bubbles will be generated during mixing. Try to create air bubbles as much as possible. If you mix more slowly to avoid the formation of bubbles, you may need to extend the mixing time.

If air bubbles appear on the surface, no problem! Simply use a heat gun or torch over the resin casting.

After use, the containers should be sealed tightly. The surface of the material to be treated must be dry and clean.

The catalysis process for thin layers is optimal at a temperature between 25-30°C. (The thicker the pour, the lower the ambient temperature should be during the curing process). It is touch dry within 24 hours, walkable after 48-72 hours, and reaches maximum hardness in 8-10 days, depending on temperature, humidity, and the thickness/amount of resin applied.

Precautions for use

OCEAN RESIN is packaged in sealed containers, it is recommended to use within 12 months from the date of packaging. Protect the material from moisture, frost and direct sunlight.

Ideal storage temperature is between 18° and 35°C. Products should remain in their original unopened containers. In winter or cold areas the resin, especially component A, may freeze or crystallise. If this happens, don't worry, it can be solved, just heat the resin to 50°C.

In the case of small packages, you can place component A inside a plastic bag and put it in a 'water bath' for about 20-40 minutes, being inside the plastic bag and always tightly closed the pot will prevent the resin from coming into contact with water, otherwise it will ruin the product.

ATTENTION: the process is reversed only if the resin is brought above 50°C. Lower temperatures (even if they last longer) will have NO effect.

Health safety measures: During preparation and application the resins should always be used in an adequately ventilated environment and using appropriate safety devices, nitrile gloves, goggles and a double filter mask for organic gases are recommended.

During application, do not eat, drink or smoke.

In case of contact with eyes or skin, wash immediately with plenty of water and consult a doctor. It is also recommended not to disperse the product in the environment.

The data contained in this data sheet refer to laboratory tests. The indications and methods indicated may be subject to change over time in accordance with possible improvements in production technologies. The application of the products is beyond our control as we cannot directly intervene in the conditions of the construction sites and in the execution of the works. All indications are of a general nature, do not bind our company in any way and therefore the responsibility lies solely with the customer. Prior testing of the product is recommended to verify its suitability for the intended use. The technical service is available to provide additional information.

For any technical problem or simple advice, please do not hesitate to contact us (also by sending us some photos) at info@resinpro.it

The ResinPro team cordially greets you and remains at your disposal.