



EPOXY RESIN TRANSPARENT

PRODUCT DESCRIPTION

EPOXY RESIN TRANSPARENT - RESINPRO: High quality epoxy system developed for hobby, handicraft and industrial use. It guarantees excellent results as for film applications (1 mm), as castings in thickness up to 2 cm. In addition to the high auto-leveling properties and perfect transparency, it ensures a good mechanical seal for reinforcement and applications with carbon fiber. Formulated with components with high UV resistance, it allows long lasting creations (low yellowing). The product is characterized by a low viscosity that reduces the presence of air bubbles after hardening in artistic creations, thick fillings and facilitates the impregnation of carbon fiber. The high-performance moisture resistance ensures a perfectly shiny and perfectly transparent surface. Bestseller for artistic and jewelry creations, restoration or surface coating (wood, cement, ceramics, canvas, fiberglass) and modeling! Ideal for creating table tops, making souvenirs, creating a protective layer on printed images (photographs, canvases, paintings), creating design furniture, creating decorative and design elements by incorporating objects into the resin.

The RESINPRO transparent epoxy resin is ideal for the following applications:

- Artistic creations;
- Modeling;
- Art flooring;
- Fiberglass repairs;
- Outdoor protective coatings;
- Nautica;
- Impregnation of technical fabrics (fiberglass, carbon fiber, Kevlar).

FIELDS OF USING

- **Artistic:** Can be used as an epoxy resin for casting and embedding
- **Craft:** Creation of tables and support surfaces (high mechanical strength and high temperatures)
- **Industrial:** Can be used as a self-leveling transparent resin for floors.
- **Decorative:** Perfectly compatible with chlorinated pastes and metal powders allowing an extreme chromatic versatility.

MAIN USES

- Artistic creations;
- Wood and related processing
- Modeling;
- Art flooring;
- Fiberglass repairs;
- Outdoor protective coatings;
- Nautica;
- Impregnation of technical fabrics (fiberglass, carbon fiber, Kevlar).

APPLICATION PROCEDURE

- ✓ Respect the use ratio A + B (100: 60 in weight) using an electronic scale, following the formula:

$$\text{Grams of A} \times 0.60 = \text{grams of B.}$$
 Some examples: 10g A x 0.60 = 6g B
 150g A x 0.60 = 90g B
- ✓ After pouring the two components in a clean container, mix for at least 3 minutes. This will avoid inhomogeneities that would damage the surface finish. Once mixed let it rest for a few minutes to let out the air bubbles that might during mixing.
- ✓ All epoxy resins are sensitive to moisture (including air humidity). Therefore, in order to avoid surface opacity, it is advisable to apply at least 20 ° C-25 ° C (especially when applying the resin in thin layers, 1-2 mm)
- ✓ If you need to cast with a thickness of several centimeters, you need to divide the application into several "castings" of maximum 2cm thickness at a time. Wait for it to harden before adding the second level. In fact, epoxy resins, if applied in large quantities, can develop an exothermic reaction (reaching high temperatures, above 150 ° C).
- ✓ If there are still some air bubbles on the surface, do not worry: just use an heat pistol or another heat source to facilitate its exit.
- ✓ The epoxy system matures after about 12h and reaches a good hardness in 24h-48h (based on the catalysis temperature). If you want to polish the surface mechanically (sanding paper + polishing cream), we recommend waiting 24-48 hours more to give the product time to reach the maximum hardness and therefore be easier to polish!
- ✓ Kindly note for brush applications (less than 1 mm) on plasticized / glass surfaces, we recommend preparing 50-100g of resin, allowing it to rest about 30m-45m

checking from time to time) until it has a thicker consistency, so that it can be applied in a more homogeneous way, avoiding withdrawals.

TECHNICAL FEATURES	
Color	Transparent
Volumetric mass	1,08 ± 0,02 kg/l
Viscosity Component A	800 ± 120 mPa s (20°C)
Viscosity Component B	300 ± 100 mPa s (20°C)
POT LIFE 25°C	50 ± 10 minuti (150g)
Application for auto-leveling casting	Theoretical consumption 1,600 g/mq
3251 Compressive strength	> 75 MPa
Flexural strength	> 90 MPa
Strength of adhesion	> 4,0 MPa
Hardness	Shore D 80 EN ISO 868
Abrasion resistance	< 100 mg
Chemical resistances	20% sodium hydroxide - Class I and II Sulfuric acid 20% Class I and II

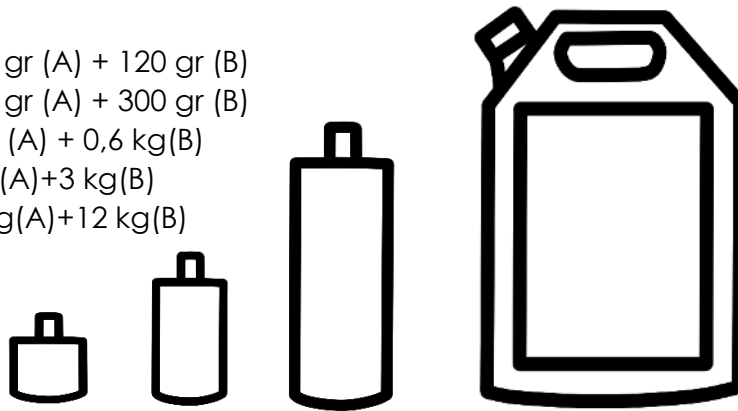
NOTE

During the application of RESINPRO TRANSPARENT it must be taken into account that the change of factors such as porosity of the surface, humidity, temperature and application method can alter the catalysis of the product.

PACKAGING AND STORAGE

PACKAGES Available →

- ✓ 200 gr (A) + 120 gr (B)
- ✓ 500 gr (A) + 300 gr (B)
- ✓ 1 kg (A) + 0,6 kg (B)
- ✓ 5kg(A)+3 kg(B)
- ✓ 20kg(A)+12 kg(B)



RESINPRO EPOXY RESIN TRASPARENTE is packaged in sealed containers, to be used within 12 months from the packaging date. Protect the material from moisture, frost and direct sunlight.

Storage temperature: + 10 ° and + 35 ° C.

Products should remain in original, unopened containers. SAFETY MEASURES FOR HEALTH
 During the preparation and application of TRANSPARENT RESINPRO, it is recommended to use protective clothing such as gloves, goggles and a mask. During application, do not eat, drink or smoke. In case of contact with eyes or skin, rinse immediately with plenty of water and consult a doctor. It is also recommended not to dispose of the product in the environment.

FOR FURTHER INFORMATION REGARDING THE SAFE USE OF THE PRODUCT, IT IS RECOMMENDED TO CONSULT THE LAST VERSION OF THE SAFETY DATA SHEET. PRODUCT FOR PROFESSIONAL USE.