



FLEUR PAINT

SUPER TRANSPARENT RESIN 1:1

COLORIFICIO CENTRALE S.r.l.
Via Industria 12,14,16
Torbole Casaglia (BS) - 25030 - ITALY
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PRODUCT DESCRIPTION AND USES

Two-component casting epoxy resin, self-leveling, super transparent and water-resistant, formulated to obtain a glossy liquid-glass-effect finish, with high depth and visual clarity. For horizontal use.

Suitable for: jewelry, accessories, tables, coffee tables, river tables, bar counters, kitchen countertops, horizontal decorative surfaces, small decorative fills in wood, silicone molds, decorations and creative effects, creative and artistic works.

Can be applied on non-absorbent surfaces prepared with paint or enamel, provided they are completely non-absorbent, to avoid the resulting formation of bubbles or surface irregularities.

Use in a well-ventilated area.

MAIN DATA

Finish: Glossy Transparent

Intended use: Transparent two-component epoxy resin for coating and casting. Available sizes: 240 ml - 480 ml - 950 ml - 1.9 l - 3.8 l.

Mixing ratio: 1:1 by volume and by weight.

Application: By casting on a horizontal surface.

Drying between one coat and another: approx. 24 hours.

VOC classification: VOC (Directive 2010/75/EU) 0.05 g/liter.

EU limit value for this product: 500 g/liter.

SUBSTRATE PREPARATION

Apply on surfaces that are: clean, dry, free of dust, oils, grease, waxes or contaminants that may compromise adhesion. On smooth or glossy surfaces, sanding is necessary to improve adhesion.

On wood: porous substrates may release air and generate bubbles or small craters
small voids, cracks or fissures must be assessed and properly prepared before casting

In these cases, a first sealing coat with paint or enamel is recommended.

Always work with the surface perfectly level, because the product, being self-leveling, follows the slope of the substrate.

PRODUCT PREPARATION AND APPLICATION

Preparation: mix Component A and Component B in a 1:1 ratio in a clean container.

Mixing procedure:

1. Pour the two components into the container.
2. Mix slowly for at least 3 minutes.
3. Carefully collect the product from the bottom and sides of the container during mixing.
4. Leave to rest for 2 minutes
5. Apply within 30-40 minutes
6. To eliminate any surface air bubbles, use a gentle heat source.

For large-scale work, avoid mixing excessive quantities in a single batch, because they increase the reaction speed and reduce the useful working time (max. quantity 1.5 kg).



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APPLICATION CYCLES

Casting application

1. Carefully prepare the substrate;
2. Mix the two components 1:1;
3. Leave to rest for 2 minutes;
4. Pour the resin;
5. Eliminate any surface bubbles;
6. Leave to cure for 24 hours at 25°C.

For thicknesses over 3 cm:

apply several successive pours of max. 3 cm, allow to dry at least 12 hours between one layer and another.

The surface must be completely hardened, dry to the touch (not sticky), and the underlying layer must be completely cured.

Decorations and creative effects

In the case of decorative elements such as: paper, images, small objects, it is advisable to fix the element to the substrate before casting.

Porous items such as fabric and dried flowers must always be painted beforehand to prevent the release of air bubbles.

Coloring the resin

The product is compatible with: Fleur Powder Pigments or Fleur Liquid Pigments.

SUBSTRATE PROTECTION

For surfaces subject to intense use, such as: tables, bar counters, kitchen countertops, for greater protection, final application of Fleur Gloss Extra Resistant Resin is recommended. This application increases surface protection and is also suitable in the presence of water deposits. Apply the resin after 24 hours at 25°C.

Complete catalysis: maximum hardness of the substrate is achieved after 7 days (after this time, polish if necessary).

CLEANING TOOLS

Clean tools immediately after use with alcohol- and acetone-based products.

TECHNICAL PARAMETERS

Yield per coat per package:

240 ml → 0.24 m² / 480 ml → 0.48 m² / 950 ml → 0.95 m² / 1.9 liters → 1.9 m² / 3.8 liters → 3.8 m²
(Yield calculated for 1 mm thickness on non-absorbent or adequately prepared surfaces).

Application: Casting

Dilution: ready to use, do not dilute.

Appearance Component A: transparent liquid

Appearance Component B: transparent liquid

Density Component A: 1.08 ± 0.05

Density Component B: 0.96 ± 0.03

Viscosity Component A at 25°C: 1800 ± 200 mPa·s

Viscosity Component B at 25°C: 280 mPa·s



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Viscosity of mixture at 25°C: 550 ± 50 mPa·s

Maximum mixture viscosity: 800 mPa·s

Final hardness: Shore D 80-85

DRYING

Gel time: 30-40 min ± 15 min at 25°C for 100 g

Indicative hardening time: 8-10 hours at 25°C

Indicative demolding time: 10-12 hours

Touch-dry time: 24 hours

Deep drying: 24-48 hours

Total drying: 7 days (normal use, including bar use) 7-10 days (complete hardness).

For intensive use, such as tables, bar counters or kitchen countertops, wait at least 7 days before putting into service.

CATALYSIS

Mixing ratio: 1:1 (100 COMPONENT A + 100 COMPONENT B)

Type: Non-yellowing catalyst for resins

Pot life at 20°C: approx. 30-40 minutes

ENVIRONMENTAL CONDITIONS

Apply in a dry, clean, well-ventilated area, protected from dust and humidity.

Recommended temperature: 20-28°C.

Incorrect temperature or humidity conditions may cause opacity, rippling, surface defects, uneven polymerization.

ADDITIONAL NOTES

Compatible decorative effects

It is possible to customize Fleur Super Transparent Resin 1:1 with: Fleur Powder Pigments, Fleur Liquid Dyes, Fleur Powder Glitter, Fleur Gold Leaf and Tamisè.

Add in small quantities until the desired effect is achieved.

High dosages of decorative products may affect the correct polymerization of the product.

Use in silicone molds

The resin can be used to make: rings, pendants, earrings, jewelry boxes and small decorative objects.

UV resistance

Like all transparent epoxy resins, this product may also undergo natural aesthetic changes over time if continuously exposed to strong UV light or direct sunlight. The formulation is designed to maintain transparency as long as possible under correct conditions of use.



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WARNINGS AND RECOMMENDATIONS

- Do not alter the 1:1 mixing ratio.
- Do not apply on dirty or damp surfaces.
- Do not work in cold or humid environments.
- Do not disturb the product during polymerization.
- On excessively smooth or glossy surfaces, sand before application.
- Do not use on vertical surfaces.
- Use only on horizontal surfaces.

Defects and corrections

Craters / small holes

Possible causes: product applied in insufficient quantity; being self-leveling, it shrinks and creates small craters; an additional pour is required.

Air in the substrate

microbubbles, surface too smooth or too glossy, humidity during application.

Correction: allow to dry, sand lightly, apply a new layer.

Opaque / hazy areas

Possible causes: temperature too low, humidity, incorrect mixing.

Correction: check temperature and humidity, reapply if necessary.

Ripples

Possible causes: incorrect temperature, excessive thickness and non-uniform mixing.

Correction: sand, clean, reapply.

Unhardened resin

Possible causes: incorrect ratio, insufficient mixing.

Correction: remove the unhardened product and repeat the application respecting mixing and proportions.

Additional info

The main causes of failed polymerization are: non-uniform mixing, failure to collect the product from the bottom and sides, incorrect proportions between the two components. An incorrect ratio or incomplete mixing compromises final hardening.