



EPOXY

**FOR HIGH-END DECORATIVE
APPLICATIONS**

BK24 RESINS

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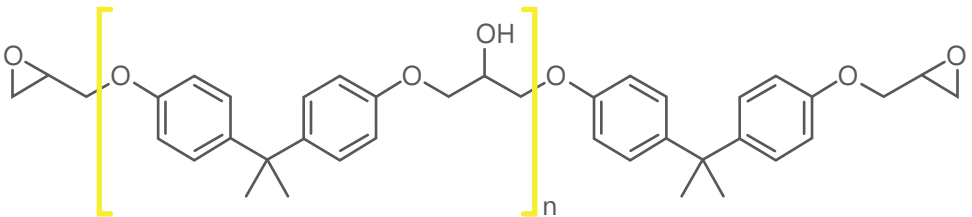
PRESENTATION

Definition



Epoxy resins are two-component thermosetting polymers that are distinguished by their excellent adhesion and mechanical and chemical properties.

They form by chemical reaction at room temperature between an epoxy resin and its hardener.



Applications

- Inclusion of logos.
- Eyewear enameling.
- High-end finishing.
- Creation of resin jewelry.
- Molding of small parts.
- Application of rhinestones.

TRANSPARENT EPOXY RESINS

Epoxy resin RD3

RD3 resin is a two-component solvent-free epoxy resin intended for high-end decorative applications.

It is particularly suitable for cold enameling, the inclusion of metal logos for frames, and the application of rhinestones.

Epoxy resin R3 is to be used with hardener D3.

Bio-based Epoxy resin RD3ECO

NEW

It is produced from glycerin derived from rapeseed oil and vegetable oils.

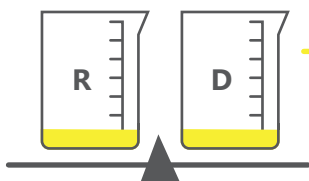
It offers the same performance, mechanical properties, chemical resistance, and final aesthetic as a petroleum-based equivalent.

Main advantages over RD3 resin:

- **durability;**
- **adhesion** to other materials: polyamide;
- **faster curing** than RD3.



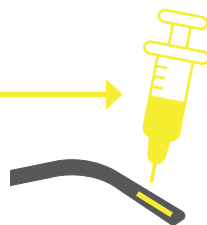
Instructions for use *(valid for both resins)*



Weigh the resin and hardener according to the stoichiometric ratio.
Mix the two parts vigorously until a homogeneous mixture is obtained.
Let it degas.



Add colorant or pigment if necessary for a transparent or opaque coloration.



Prepare the substrate and pour the mixture.
Let it cure.

TECHNICAL DETAILS OF OUR TWO RESINS

RD3	RD3ECO_CA	RD3ECO_PM
CELLULOSE ACETATE	CELLULOSE ACETATE	POLYAMIDE
Ratio: 100g resin R3 + 45g hardener D3	Ratio: 100g resin R3ECO + 50g hardener D3CA	Ratio: 100g resin R3ECO + 73g hardener D3PM
Standard packaging: 690g resin R3 + 310g hardener D3	Standard packaging: 665g resin R3ECO + 335g hardener D3CA	Standard packaging: 580g resin R3ECO + 420g hardener D3PM
Pot life after mixing (100g mass): 10h at 20°C	Pot life after mixing (100g mass): 8h at 20°C	Pot life after mixing (100g mass): 8h at 20°C
Curing (6 mm film): <ul style="list-style-type: none"> • touch dry: 15h at 20°C • through dry: 24h at 20°C or 10h at 40°C 	Curing (6 mm film): <ul style="list-style-type: none"> • touch dry: 10h at 20°C • through dry: 20h at 20°C or 8h at 40°C 	Curing (6 mm film): <ul style="list-style-type: none"> • touch dry: 24h at 20°C • through dry: 20h at 20°C or 8h at 40°C
Properties: <ul style="list-style-type: none"> • Gardner index < 2 • viscosity at 23°C: 650 mPa.s • hardness: 78 shoreD 	Properties: <ul style="list-style-type: none"> • Gardner index < 2 • viscosity at 23°C: 650 mPa.s • hardness: 78 shoreD 	Properties: <ul style="list-style-type: none"> • Gardner index < 2 • viscosity at 23°C: 650 mPa.s • hardness: 20 shoreD
Tools cleaning: the 8496 cleaner allows for proper cleaning of utensils before polymerization.		
Storage: 12 months at room temperature in the original closed packaging. In case of crystallization or resin opacity, heat to 80°C until fully fluid and cool before use.		
Health and safety: observe the work hygiene measures indicated on the SDS when handling.		

TRANSPARENT DYES



Definition

NANV liquid **DYES** the casting resins transparently.

Advantages

- Ease of use.
- High concentration.
- Perfect dispersion.
- Wide range of colors.
- Compatibility with various resins.
- Light resistance.
- **Non-hazardous and non-flammable solvent.**



Packaging

Standard in 125 ml and 1 liter.

OPAQUE PIGMENTS



401
White



402
Yellow



404
Green



405
Blue



406
Brown



407
Black



410
Red

Packaging Standard in 500g.

Color chart*



7317
Fluo yellow



6842
Lemon yellow



6227
Golden yellow



7472
Fluo orange



292V2
Orange



6753
Scarlet



9018
Red



7318
Fluo pink



6262B
Pink



9055
Bright pink



6302
Purple



291
Blue



6324
Turquoise



7316
Fluo green



5456
Green



8446
Brown



6263
Brown



7836
Navy



8447
Grey



6028
Black

*Non-contractual colors.

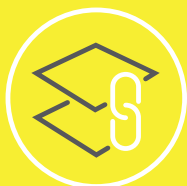
A question or information complementary?

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ADVANTAGES

Discover the main advantages of Epoxy resins



Excellent adhesion
to cellulose acetate



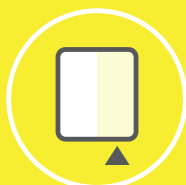
Transparent



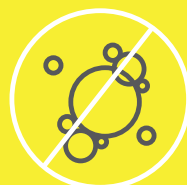
Hard
and flexible



Solvent
and odor-free



Low
yellowing



Debubbling
property



Excellent
wettability



Polishable



A traditional
version and
a «Green» version



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