

# RD3 epoxy resin

## for decorative application

**RD3 resin** is a bicomponent epoxy resin, solvent free, suitable for high ended applications.

It's mainly used for decoration by inclusion of metal logos on plastic frames.



### Advantages

- Clear, glossy, hard and flexible.
- Excellent adhesion on cellulose acetate or propionate.
- Easily polishable.
- Effective degassing.
- Large areas of inclusion (1 mm deep) achievable.

### Properties

- Gardner index < 2
- Viscosity at 23° C : 650 mPa.s
- Hardness : 78 shores D
- Elongation : 9 %

### Packaging

Epoxy resin is referenced **R3** and hardener **D3**  
1 kg kit of **RD3** is composed of :  
**690 g of R3 resin + 310 g of D3 hardener.**

### Storage

12 months at room temperature in closed containers.  
In case of crystallization or opacity of the resin,  
heat at 70°C until complete fluidification and let cool  
before utilization.

### Health and safety

Observe the measures of working hygiene during  
manipulation as noticed on the MSDS.

## INSTRUCTIONS FOR USE

**Proportion: 100 g R3 resin + 45 g D3 hardener**

Stir vigorously parts of resin and hardener until homogeneity.

Degas before use.

Life-time after mixing (100 g mass) : 10 hours at 20°C.

Hardening (film 6 mm) :

- . dry to touch : 15 h at 20°C.

- . dry at heat: 24 h at 20°C or 10 h at 40°C.

## RELATED PRODUCTS

### Coloration in transparent

Coloration in transparent by addition of **NANV liquid dyes**. (technical bulletin n° 20 V 10D)

### Coloration in opaque

Coloration in opaque by addition of **PPE pigment pastes**. (technical bulletin n°18 V O1)

### Cleaner

**8496 cleaner** is suitable for an efficient cleaning of tools.

### Polishing products

Our polishing products allow to obtain by dry-barreling a perfect finish.

### RD8 epoxy resin

RD8 epoxy resin is Bisphenol-A free. (technical bulletin 19 R 25)



**TCN - Techniques Chimiques Nouvelles**

8 bis allée Marie Louise 92240 MALAKOFF (France)

Phone: + 33 1 47 35 07 63

[office@color-tcn.com](mailto:office@color-tcn.com)

[www.techniques-chimiques-nouvelles.com](http://www.techniques-chimiques-nouvelles.com)

