

Dual Cure Adhesive

EPOXONIC® 195 is an unfilled one-component adhesive based on epoxy resin. It was designed for fast bonding, and is particularly suitable for high-precision bonding of metal, plastic and glass surfaces.

EPOXONIC® 195 can be cured with UV light, as well as with elevated temperatures.

Properties

- | | |
|---|-------------------------------|
| • Colour | colourless to slightly yellow |
| • Shore hardness at RT | > D 85 |
| • Density | 1.2 gms/cm ³ |
| • Coefficient of linear thermal expansion | 70 ± 5 x 10 ⁻⁶ /K |
| • Glass transition temperature (Tg) | 125 ± 8°C |

Processing

- | | |
|---|--|
| • Viscosity at 25 °C
Epprecht cone/plate viscometer | 1,000 ± 100 mPas |
| • Recommended method of application | dispenser |
| • Recommended UV cure schedule | 5 – 30 seconds at 25 – 150 mW/cm ² UV A light.
The reaction will continue in the shadow areas without further exposure. Slightly raised temperatures accelerate the reaction greatly. 5 minutes at 110°C will complete it. |
| • Recommended thermal cure schedule
(without UV light) | 15 minutes at 150°C |

Packaging

EPOXONIC® 195 is delivered in UV-tight syringes. Other packaging forms are available upon request.

Storage

The shelf life of **EPOXONIC® 195** is 6 months if stored in a dry place at $5^{\circ}\text{C} \pm 2^{\circ}\text{C}$ in original, unopened containers in the absence of light. Storage at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ reduces shelf life to 3 months.

Quality Assurance

If required, **EPOXONIC® 195** will be supplied with a Certificate of Analysis.

Caution

As with all epoxy materials, this product may cause skin irritation. Recommended industrial hygiene procedures should always be followed when handling this product. Avoid skin contact. If contact does occur wash area immediately with soap and water. Please refer to Material Safety Data Sheet for details.

Disclaimer:

All information herein is based on the present state of knowledge and believed to be reliable. Any suggestions or recommendations are made without liability on our part since we shall have no control over the use of our product. Buyers and users should make their own assessment of this product under their own conditions and for their own requirements.