

## 1-Component Adhesive for High Temperature Applications

**EPOXONIC® 275** is a heat curing, thixotropic, one-component adhesive based on epoxy resin. It exhibits high strength and toughness and has excellent adhesion to various materials, including ceramics, metals and plastics. **EPOXONIC® 275** is solvent-free.

### Properties

---

• Color	Beige	
• Density at 23°C	approx. 1.2 g/cm <sup>3</sup>	
• Viscosity at 25°C	thixotropic paste	
• Coefficient of thermal expansion <sup>1)</sup> [40 – 100°C]	55 - 60 ppm/K	TMA
• Glass transition temperature <sup>1)</sup>	approx. 125°C	DSC
• Shore hardness at 23°C <sup>1)</sup>	D 85	
• Young's modulus at 23°C <sup>1)</sup>	3000 N/mm <sup>2</sup>	DIN EN ISO 527
• Shear strength on aluminium at 23°C <sup>1)</sup>	60 – 70 N/mm <sup>2</sup>	Twist-O-Meter
• Shear strength on aluminium at 80°C <sup>1)</sup>	40 – 50 N/mm <sup>2</sup>	Twist-O-Meter

1) Cure schedule: 3h/120°C

## Processing

---

- Application e.g. dispensing
- Pot life min. 7 days at 23°C
- Cure schedule e.g. 3h / 120°C

## Storage

---

The shelf life of **EPOXONIC® 275** is at least 6 months when stored refrigerated (+2 to +8°C) in tightly closed containers.

## Quality

---

**EPOXONIC® 275** will be supplied with a Quality Certificate upon request.

## Caution

---

As with all epoxy materials, this product may cause skin irritation. Recommended industrial hygiene procedures should always be followed when handling **EPOXONIC® 275**. Please refer to Material Safety Data Sheet for details.

## Disclaimer

---

All information contained herein is based on the present state of knowledge, and any conclusions and recommends are made without liability on our part. Buyers and users should make their own assessment of this product under their own conditions and for their own requirements.