

1-Component Adhesive for High Temperature Applications

EPOXONIC® 274 is a heat curing, 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® 274** is solvent-free.

EPOXONIC® 274 is a flowable material; a thixotropic version is available as **EPOXONIC® 275**

Properties

• Color	Beige	
• Density at 23°C	approx. 1.2 g/cm ³	
• Viscosity at 25°C	70 – 130 Pas	
• Coefficient of thermal expansion ¹⁾ [40 – 100°C]	55 - 60 ppm/K	TMA
• Glass transition temperature ¹⁾	approx. 125°C	DSC
• Shore hardness at 23°C ¹⁾	D 85	
• Young's modulus at 23°C ¹⁾	3000 N/mm ²	DIN EN ISO 527
• Tensile strength at 23°C ¹⁾	70 N/mm ²	DIN EN ISO 527
• Elongation at break at 23°C ¹⁾	3,2%	DIN EN ISO 527
• Shear strength on aluminium at 23°C ¹⁾	60 – 70 N/mm ²	Twist-O-Meter
• Shear strength on aluminium at 80°C ¹⁾	40 – 50 N/mm ²	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® 274** is at least 6 months when stored refrigerated (+2 to +8°C) in tightly closed containers.

Quality

EPOXONIC® 274 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® 274**. 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 recommendations 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.