EPOXONIC®
innovative epoxies

EPOXONIC® 370

Thixotropic, toughened adhesive for Automotive and Electrical Engineering

EPOXONIC® 370 is a solvent-free, mineral filled 2-part adhesive based on epoxy resin.

Main characteristics:

- High chemical resistance
- Excellent crack resistance
- Very good adhesion to aluminium and many plastics
- Outstanding impact resistance

Application:

EPOXONIC® 370 is especially suited for bonding of substrates with different thermal expansion. Curing can be done at room temperature, but optimum properties will be achieved by curing at higher temperatures.

Properties:

Specific values measured by standard test specimen at 23 °C, cured 1 h / 100 °C.

Operating temperature [1]	-40 °C to +150 °C;	
Colour	Light grey	
Shore hardness	80 Shore D	DIN EN ISO 868
Density	1.0 g/cm ³ (Mixture A+B) 1.23 g/cm³ (Part A) 0.92 g/cm³ (Part B)	DIN EN ISO 1183-1
Glass transition temperature	100 – 110 °C	DIN EN ISO 11357-2
Shear strength [2]		EPOXONIC PV 29
Aluminum	50 MPa	
PC	32 MPa	
PPS	35 MPa	
PBT	27 MPa	
PA 6.6	25 MPa	

1) Depending on the application, other temperature limits may be reasonable
2) Curing 2 h / 80 °C

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Processing:

Mix ratio		Part A : Part B = 100 : 17 parts by weight	
Viscosity cone/plate viscometer			DIN 53019
	25 °C	20,000 – 30,000 mPas (Part A)	
	25 °C	300 – 500 mPas (Part B)	
	25 °C	4,500 – 6,500 mPas (Mixture A + B)	
Pot life	25 °C	approx. 30 min (time to double viscosity)	
Method of application		e.g. dispenser	
Cure schedule		e.g. 1 h / 100 °C Optimum cure schedules have to be determined by the specific application.	

Storage:

The shelf life of EPOXONIC® 370 Part A and Part B is 12 months at temperatures < 25 °C when stored in tightly closed, original containers. Part A has to be stirred very well before use.
Partly emptied containers should be tightly closed immediately after use.

Health and Safety:

Recommended industrial hygiene procedures should always be followed when handling this product. Please refer to the corresponding Material Safety Data Sheet for details.

Packaging:

EPOXONIC® 370 Part A and Part B are delivered in metal cans.
Other packaging options are available upon request.

Quality Assurance:

If required EPOXONIC® 370 will be supplied with a Certificate of Analysis.

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.