



## TECHNICAL DATA SHEET

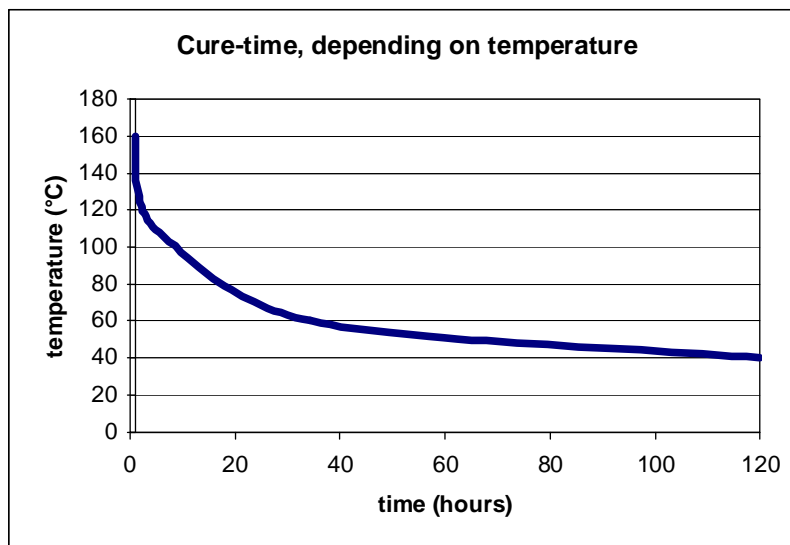
### ergo.<sup>®</sup> 7900

#### High temperature resistant sealant

ergo.<sup>®</sup> 7900 is a solvent based epoxy resin, which is suitable for a wide range of different materials, like metal, glass and ceramic. The cured sealant forms an elastic-remaining film, even on high temperature level and may be used as flange sealant on flat areas in motors, electric engines, compressors or pressurized boilers or vessels.

#### Advantage of ergo.<sup>®</sup> 7900

- Resistance against high temperature (+280°C)
- Adhesion to a wide range of materials
- Must not be removed with tools - may be applied on former film
- Easy curing process by heating up
- Remains elastic and resists against vibration
- Fills grooves and certain gaps
- May be used as potting mass
- Economical



#### Fields of application

##### Automotive industry

Crankshaft bearing, crankshaft housing, pumps and steering cylinders of servo-assisted devices, transmission-housings, clutches, valve cover .....

##### Machinery

Housings for turbines, generators and gear-units, various kinds of pumps, hydraulic devices, compressors.....

##### Electronic industry

Motor-housings, switches, switchboards, control panels.....



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## Technical figures

Chemistry	Epoxy resin in organic solvent
Density (20 °C)	1.08 g/cm <sup>3</sup>
Skin-building time	5 – 7 minutes
Curing process	by temperature
Temperature resistance	-50°C up to +280°C
Pressure resistance	tested up to 690 bars (depending on shape)
Viscosity	5500 – 6500 mPas
Maximum gap	2 mm
Shelf-life	12 month at 5°C - 28°C

## Compatibility with bonded materials

The cured film of ergo<sup>®</sup> 7900 is compatible with nearly all materials.

The mainly used materials (metal, ceramics and glass) will also not be affected by the liquid product.

Following plastics may be affected by the liquid product: PVA, ABS, SAN, Polysulfon, PVC, PC, PS and varnished surfaces. Please check before using ergo<sup>®</sup> 7900

## Disassembling

For maintenance reasons, the sealed parts are easy to disassemble.

Normally the surfaces must not be cleaned after disassembling.

Mostly it will be sufficient to apply the new rope of ergo<sup>®</sup> 7900 on top of the old film.

## Usage of ergo<sup>®</sup> 7900

Clean surfaces with a dry cloth.

The surface must not be completely free of grease or oil, but for best results it should be degreased by using our Cleaner ergo<sup>®</sup> 9190

Apply ergo<sup>®</sup> 7900 as a thin rope our film on one part.

If the parts are already warm (+70°C up to +100°C) they may be assembled immediately.

At room-temperature wait 5 – 10 minutes before you fit the parts together.

## Storage

Keep the product in its closed, original containers in a clean, dry and cold (5°C – max. 28°C) area.

Under those conditions the product will remain stable for at least 1 year.

Do not refill product, because this may decrease the storage stability and change the products properties.

## WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KISLING products are safe, effective, and fully satisfactory for the intended end use. KISLING sole warranty is that the product will meet the KISLING sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. KISLING specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KISLING provides you with a specific, duly signed endorsement of fitness for use, KISLING disclaims liability for any incidental or consequential damages. Suggestions of uses should not be taken as inducements to infringe any particular patent.