

# Technical Data Sheet

## LOXEAL 59-30

### Description

One component moisture curing acetic silicone sealant by reaction. Suitable for sealing gear boxes, pumps, motors and compressors flanges, hot fluid pipes. Provides an extremely flexible gasket between surfaces and resists to vibrations, thermal shocks, water, gas, LPG, oils and several chemicals. Keeps its sealing properties within temperatures of - 60° and + 250°C with peaks up to 300 °C. Sealed parts can be disassembled using normal tools.

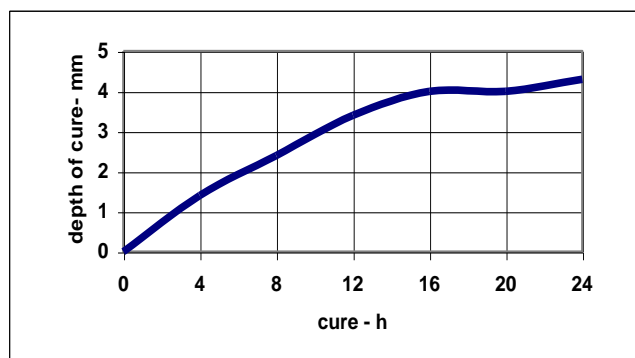
### Physical properties

Composition : silicon acetic curing  
Colour : red/black  
Physical appearance : paste  
Specific weight (g/ml) : 1,0 - 1,1  
Shelf life : 1 year at +25°C in original unopened packaging

### Depth of cure

The graph below shows the depth of cure of the product (mm) vs. time (h)

Test done at +23°C - H.R. 50%



### Curing properties

Track free time : 10 - 20 min  
Handling time : 1 - 2 hours  
Functional cure time : 2 - 4 hours  
Full cure time : 12 - 24 hours

### Typical properties after 7 days/ +23°C/ UR 50%

Hardness - Shore A (ASTM 2240) : 32 ± 5 Shore A  
Tensile strength (ASTM D-412) : 2,5 MPa  
Elongation at break (ASTM D-412) : 300% - 600%  
Modulus - Young : 0,4 MPa  
Compression modulus (ASTM D-575) : 2,2 Mpa  
Coefficient of thermal expansion (%/°C) : 0,05  
Temperature range : -60°C/+250°C – peaks +300°C

### Directions for use

Clean and degrease parts to bond with Loxeal Cleaner 10. Apply enough product to fill the gap. The product is moisture curing therefore pieces shall be assembled rapidly. Allow full cure before putting stress on pieces assembled.

### Storage

Keep product in a cool and dry room at +25°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxeal Technical Service

### Safety and handling

Consult Material Safety Data Sheet before use.

### Note

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