LOXEAL ENGINEERING ADHESIVES

Technical Data Sheet

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LOXEAL 59-30

Red liquid gasket for high temperature

Description

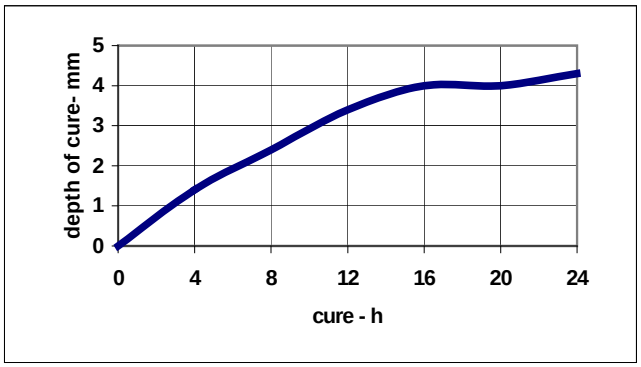
One component moisture curing acetic silicon sealant by reaction. Suitable for sealing gear boxes, pumps, motors and compressors flanges, hot fluid pipes. Provides an extremely flexible gasket between surfaces and resists to vibrations, thermal shocks, water, gas, LPG, oils and several chemicals. Keeps its sealing properties within temperatures of - 60° and + 300°C with peaks up to 350 °C. Sealed parts can be disassembled using normal tools.

Physical properties

Composition :	silicon acetic curing
Colour :	red
Physical appearance:	paste
Specific weight (g/ml):	1,0 – 1,1
Shelf life :	1 year a 25 °C

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:	12 – 30 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% -500%
Modulus - Young:	0,4 MPa
Compression modulus (ASTM D-575):	2,2 Mpa
Coefficient of thermal expansion (%/°C):	0,05
Temperature range:	-60°C + 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

Note

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