Lederer Silicone Expertise from Simrit®

Seal components and precision mouldings made of liquid silicone and liquid silicone with thermoplastic (2-component)
Simrit®, Your Global Technology Specialist for Seals and Vibration Control

This way we secure competitive advantages for you based on experience all around the world: Simrit has a presence throughout Europe, America and Asia, either directly or through its affiliated companies NOK (Japan) or Freudenberg-NOK (USA). The transfer of knowledge between these markets is incorporated directly into the Simrit service package.

With our many Simrit Service Centres and Simrit distribution Partners, we serve and supply more than 100,000 customers worldwide. Our Simrit Partners ensure rapid availability from stock. This means spare parts quickly arrive when and where they are needed. There is a Simrit Partner close to you.

Make the most of Simrit’s service package and give yourself a real competitive edge:

- Constant innovations
- Uniquely wide range of products
- Strong product brands
- Unique materials expertise
- A wide range of value added services
- Global cooperation and partnership

Simrit offers a complete package of products and services, including leading brands such as Simmerring®, Merkel, Integral Accumulator, Lederer and ISC O-Ring.

Vibration Control
Special Sealing Products: Bellows, Diaphragms, Elastomer Composite Parts and Precision Mouldings
Lederer Liquid Silicone Products

Simrit, Your Global Technology Specialist for Seals and Vibration Control offers you a complete service package. A unique range of products and services guarantees you numerous advantages over the competition.

Simrit acts as a partner to general industry. Its position as a market leader is achieved through continuous research, development and manufacture. We have the world’s widest range of seals and vibration control products, and can offer you solutions based on the demands of state-of-the-art technology, solutions which set standards.

Simmerring®
Merkel Hydraulics/Pneumatics
Lederer
Integral Accumulator
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Know-how at the forefront of liquid-silicone solutions and 2-component injection moulding

Lederer liquid-silicone components from Simrit offer you pioneering technology for outstanding seal and precision-moulding solutions. A comprehensive range of services is available, which compromises both liquid silicone (LSR) and innovative 2 component components (LSR and thermoplastic) for a broad range of applications.

Lederer liquid-silicone components (LSR) boast
- Excellent thermal properties
- Rubber-like elasticity
- Aging-resistant material that doesn’t become brittle, UV- and ozone-resistant
- Can be processed into complex geometries with different Shore hardness ratings
- Can be made to any colour specification

Lederer 2-component components
- Innovative 2-component injection moulding technology
- Combination of liquid silicone and thermoplastic

Lederer Tool Expertise
- Top quality manufacture thanks to in-house tool shop
- Customer-specific tool making
Overview of Our Product Portfolio

Thanks to the continuously expanding range of Lederer liquid-silicone components and 2-component parts, Simrit® boasts a unique product portfolio for a multitude of applications: from flat gaskets to complex 2-component spray inserts for the sanitary sector. Even more so, because at Simrit there are practically no limits with regards to the design of liquid-silicone precision mouldings.

2-component composite parts
- Self-adhesive types of liquid silicone enable the manufacture of cost-efficient and high-quality composite parts from a single source
- No need to assemble component parts, easier assembly of modules and therefore more cost-efficient production

LSR and 2-component mouldings for medical and analytical equipment
- High resistance to chemicals
- Ideal for sterilising
- Flexible over a wide temperature range

LSR and 2-component mouldings for sanitary installations
- Reduced furring (lime deposits) thanks to the use of liquid silicone
- Approved by numerous agencies, such as the KTW, WRAS and FDA
Seals for microelectronics and electrical engineering
- Very good electrical insulation in combination with high mechanical durability and UV-resistance
- Mouldings for sealing switches and connectors
- Sealing mats with and without separation diaphragms

Household and food sector
- Safety valves and seals for pressure cookers
- Metering valves for liquids
- Multifunction handles for plate covers

Silicone diaphragms
- Roller diaphragms and non-return diaphragms also made of oil-resistant, fluorinated liquid silicone
- Outstanding thermal stability up to 220°C, up to 300°C over short periods
- Highly flexibly at cold temperatures – down to -40°C, in some cases down to -100°C; excellent adaptability for customer-specific designs
Range of Applications for Lederer Liquid Silicone Components

**Health Care**
- Valves for fast-washing systems
- Holding fixtures for dental equipment
- Diaphragms for endoscopic use
- Slides for minimal analysis microscopy

**Sanitary and laboratory installations**
- 2-component spray inserts for shower heads
- Valves and seals for the sanitary sector
- Sound dampers for S-shaped connections

**Electrical engineering/Electronics**
- Axial and radial connector seals
- Diaphragms for EG/VR valves
- Sealing and damping elements for electronic controller housings
- Dust caps, sealing sleeves for microswitches, grouped seals with and without separation diaphragms

**Household and food sector**
- Seals for handles, metering valves, safety valves and seals for pressure cookers, metering valves for liquids, multifunction handles
Lederer liquid silicone products from Simrit ensure all the competitive advantages of a global sealing partner.

Global development cooperation for materials and products, combined with the international sales network which Simrit offers, reliably ensures your optimal seal supply in all significant industry markets. You can depend on consistent product quality for your application.

And with the numerous Simrit Service Centers and sales partners, we guarantee rapid delivery to your area.

- Global development and customer projects
- International know-how transfer
- Research and development centers in Europe, USA and Asia
- Standardised technologies
- Production facilities in more than 30 countries worldwide
- Worldwide sales network with over 100 Simrit Service Centers and partners
Simrit®, Your Global Technology Specialist for Seals and Vibration Control

Simrit Services
- Constant innovations
- Uniquely wide range of products
- Strong product brands
- Unique materials expertise
- A wide range of value added services
- Global cooperation and partnership

Your Benefits
- Technological edge
- All from one source
- Specialised technological expertise
- Longer unit service life
- Competitive advantages, efficiency and lower costs
- Locational advantage and knowledge transfer

e.g. Lederer Silicone Expertise

Your benefits
- Innovative diversity
- Customerspecific problem solutions
- Materials and development expertise