



Industry solutions for solar technology

**Reliable and economic – Simrit sealing technology
for solar energy systems**

Your Technology Specialist

simrit[®]

Simrit sealing systems reliably protect your solar technology



Thermal loads, dirt, dust – Simrit sealing technology offers optimum protection from environmental influences and is suitable for use with solar energy systems.



The right sealing solution for each application: Simrit offers an economic range of seals with excellent sealing properties especially for solar technology. Thanks to innovative developments in materials and design our customised solutions are ideal, for example, against thermal loads and also offer a high level of added value due to simplified installation spaces and parts versatility.

O-Rings and moulded parts

Especially in solar engineering, Simrit O-rings and moulded parts are versatile and easy to use. Our solutions are particularly easy to install in the space available. In addition, Simrit moulded seals offer a compact and stable design with high stability. Composite rubber-plastic designs impress due

to their low weight and high corrosion resistance. The design possibilities are almost endless.

The ideal long-life seal – high temperature stability, ozone and UV compatible

The extreme temperatures occurring in solar technology affect seals in particular. Depending on application the service life of a seal can be additionally compromised by the contacting media such as air, water and heat transfer medium. The 70 EPDM 291 material developed by Simrit represents an extremely temperature-resistant solution for O-rings and moulded components that exhibits impressive sealing properties in long-term use and is also ozone and UV resistant.

This long-term stability combined with a low compression set ensures durable, reliable and cost-effective operation of your solar energy system. Ideal, for example, for reliably sealing off the connection between tubes and connector housing in modern solar energy systems from both the ambient air and the heat transfer medium.

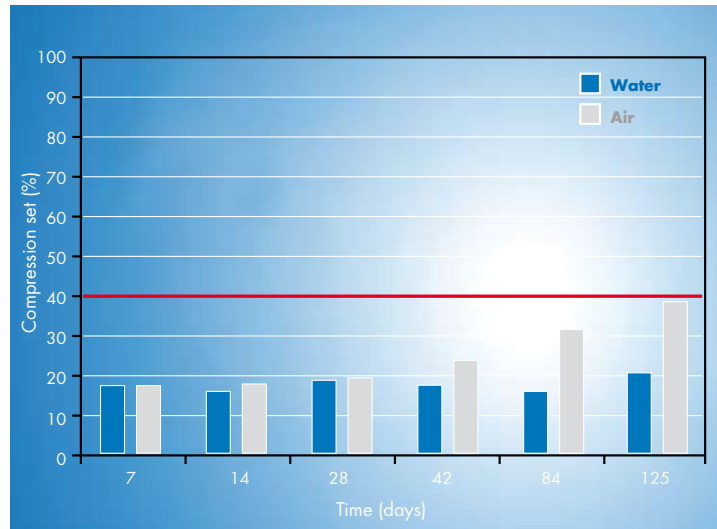
Innovative moulded parts for solar engineering

Durable, stable, economic – Simrit has developed an innovative seal design especially for solar engineering applications and thus offers the ideal seal for your entire solar energy system, from roof to heat storage tank.

This special solution provides the industry with excellent added value in two respects:

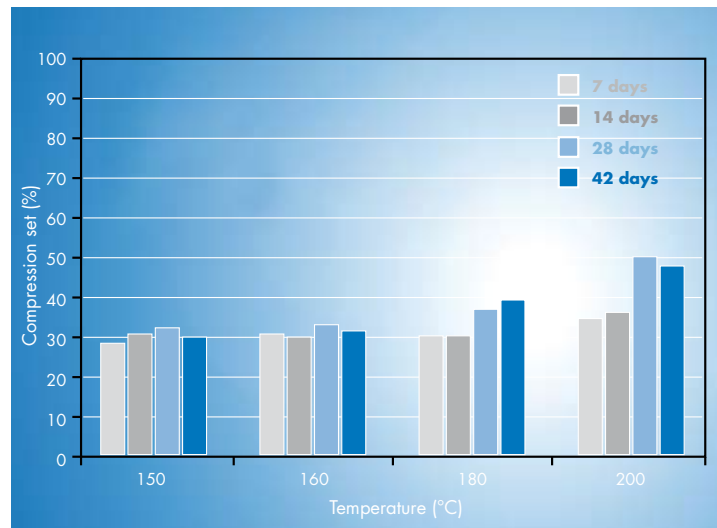
- reliable sealing at temperatures of more than 200°C
- reduction in the number of sealing elements by up to 8 parts in the system

Compression set at 110°C



At moderate temperatures (110°C) the compression set remains at a very low level even after 3.000 hours in water or exposed to air.

Compression set after 1.000 hours at 150°C/160°C/180°C/200°C



Even at high temperatures (200°C) and a long-term load of 1.000 hours, the compression set in water remains

Innovative Simrit sealing element made of high-performance EPDM.



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The logo for Simrit, featuring the word "simrit" in a bold, blue, lowercase sans-serif font. A registered trademark symbol (®) is positioned to the upper right of the letter 't'.