

novaform[®] FSD

Silk-Screen Printed Gaskets.

Material profile

novaform[®] FSD is the name for Frenzelit gaskets produced in silk-screen printing process. Silk-screen printed gaskets are especially useful in applications with low surface pressure and high leakage requirements at the same time. In this process an elastomeric beading or coating with thicknesses ranging from 10 µm to 300 µm is applied to a part or a cut gasket made of asbestos-free soft fiber material or metal.

There are various materials and even colors to choose from depending on the application.

Advantages

- reduction of surface leakage rates even at low surface pressure
- optimal design of beading to make up for uneven mating parts
- application of sealing directly to parts or components
- quick and safe assembly of gasket

Good for people and the environment

The Frenzelit Automotive Gasket Division has obtained certification that the company complies with the requirements of ISO/TS 16949, ISO 9001, ISO 14001 and ISO 50001. This means complete transparency in all areas and therefore provides a high degree of security – for the benefit of our employees, the environment and our customers.

If you have any application engineering questions, we will be delighted to answer them. Just contact:

automotive@frenzelit.com

GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

INSULATION

NEW MATERIALS

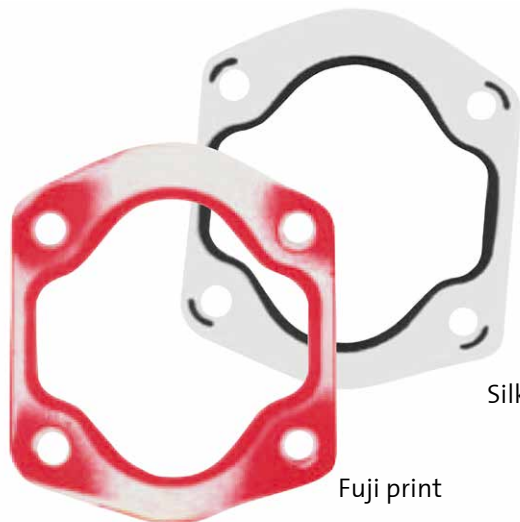
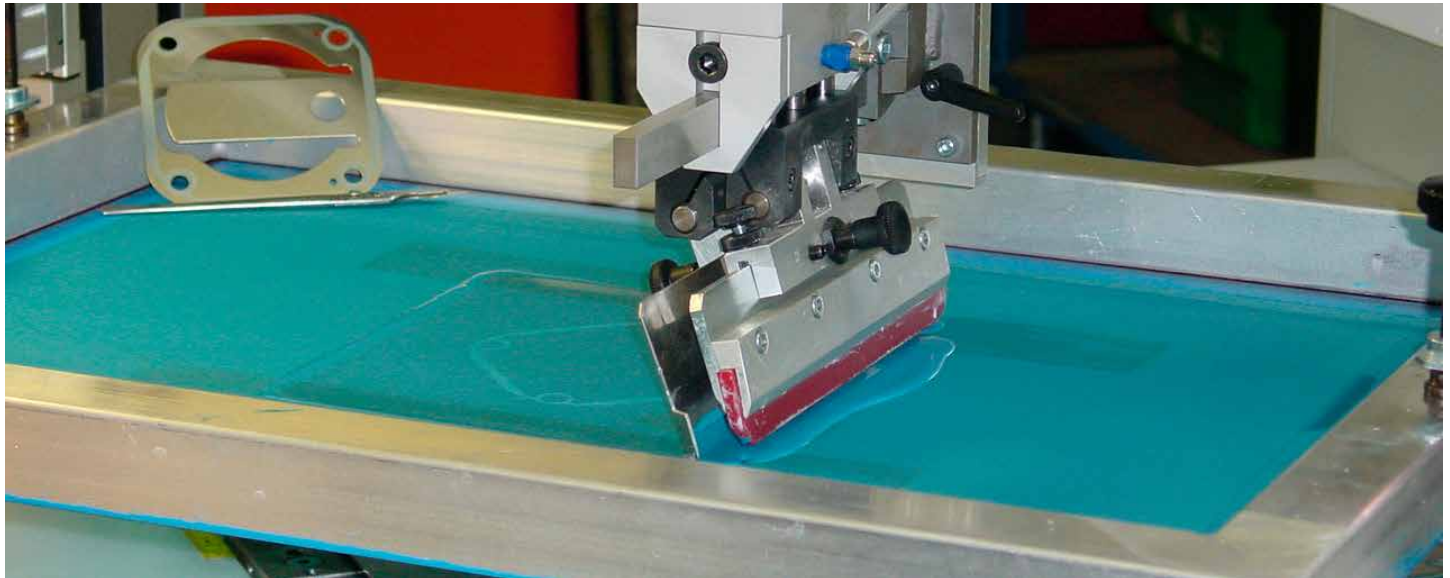
 **Frenzelit**
creating hightech solutions

Technical information about novaform® FSD

Material data

Name	Color	Elastomer	Temperature resistance (°C)	Remarks
novaform® FSD 110	white	Silicone	-60 to 180	solvent-free
novaform® FSD 140	blue	Silicone	-50 to 225	solvent-free
novaform® FSD 600/650	transparent	Acrylate glue	-30 to 100	highly UV-resistant

Other materials are available on request.



Design of the beading depends on the application and can be either a coating of the whole surface e.g. to apply self-adhesive materials or an elastomeric bead to ensure line pressure (see Fuji print). This gives many design options assuring best pressure conditions for lowest leakage rates. It is even possible to adapt beading height along the gasket shape to make up for uneven flanges or surface pressure conditions.

Silk-screen printed gasket

Fuji print

Engineering and Service

Frenzelit is specialised in manufacturing gaskets to specification. With state-of-the-art technical systems at hand, e.g. various CAD systems and a FEM simulation software, the required products can be adjusted to the exact requirements of the applications in question. Prototypes for testing purposes are manufactured in small lot sizes and at short notice. In this way we are able to develop the best possible solutions for all kinds of flat gasket applications for and together with our customers.

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