

Introducing
our products

Specialists in silicone since 1959.
At Silicone Engineering, we've been meeting our customers' diverse needs for over 50 years. Unlike other silicone producers, we manufacture silicone products in almost every form, making us a genuine global 'one-stop shop'.

Over the years, we've invested heavily in our technical facilities, and now boast one of the best-equipped research and development laboratories in the industry. Utilising these resources we can develop silicone for almost any application.

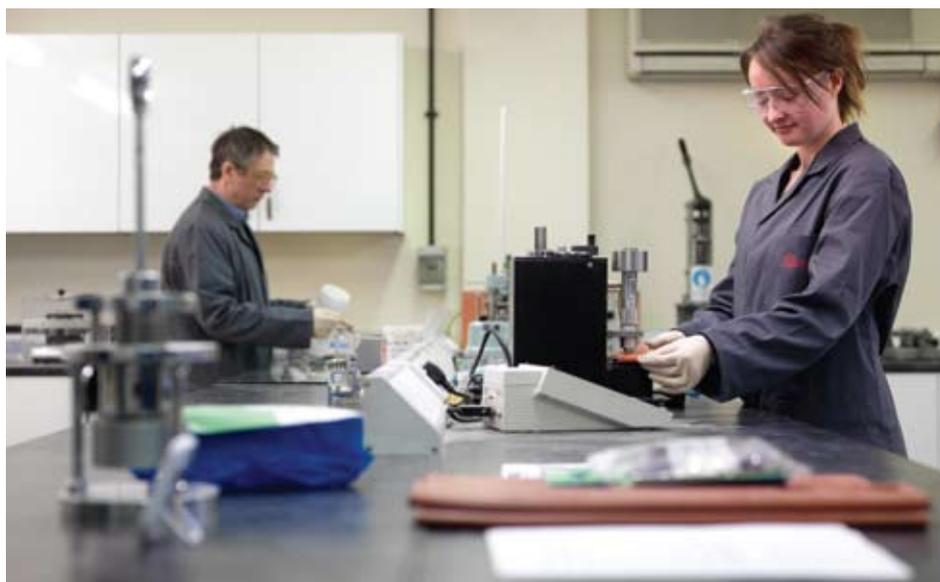
Our diverse investment also enables us to supply our products cost-effectively and efficiently. With an average manufacturing lead-time under two weeks, our customers benefit from an unrivalled order turnaround. And of course, you can expect excellent customer service. From initial design to full-scale production and after-sales support, we'll use our resources and expertise to support your business.

That, I will guarantee.

Paul Kinsella,
Managing Director,

Whatever type of silicone product you need, Silicone Engineering can produce it.

As a leading international manufacturer, we have the unique ability, and technical resources, to develop silicone formulations for virtually any industry. And we can supply them in a wide range of product formats, including calendered sheeting, extrusions, gaskets, mouldings and insulated cables. As the specialists in silicone, we tailor our service to your specific needs.



[Always improving and innovating](#)

Although we've built up an extensive product range over many years, we know there's always more we can do. So we invest a lot of our energy and resources in developing new products for different applications, and finding new ways to rise to all kinds of challenges.

At our in-house research and development laboratories, our technical experts take advantage of the versatility of silicone to respond to our customers' needs. This often leads to new, highly specialised – and sometimes revolutionary – products, with a variety of commercial and industrial uses.

Examples include low smoke/low toxic, flame retardant, anti-microbial and metal detectable grades of silicone.

[Ready to work with you](#)

Silicone is used in a wide range of industries and sectors, and we work with most of them – including automotive, medical, aerospace, lighting, heating, telecommunications, agriculture and mass transit. And every day, we're finding new uses for our products, as we adapt and redesign them to create customised solutions to particular problems. So whatever field you're in, we have the experience and expertise to help.





[Standards and service you can trust](#)

We've been in business for more than 50 years – and there's a reason for this. Quite simply, we provide excellent service, and our products meet the highest standards of quality, performance and reliability. So our customers keep coming back to us, and new ones are keen to work with us.

For added reassurance, we have second and third party accreditation with several international organisations, including BSI, Rolls Royce, Underwriters Laboratories (UL), ISO9001/2000, Boeing, Alstom, Trelleborg, Kraft/Cadbury's and GKN Westland.

Our products and processes are proven to work, and we have the quality management systems to ensure we maintain these standards.

[Image Left](#)

Our non-contact measuring system.

A graphical overview of our current product and material capabilities.

Products

What makes Silicone Engineering unique in the industry is our diverse range of products and materials we can manufacture under one roof.

The diagram shows our amazing range of manufacturing capabilities in the two main forms of silicone available, solid and sponge (cellular) silicone rubber.



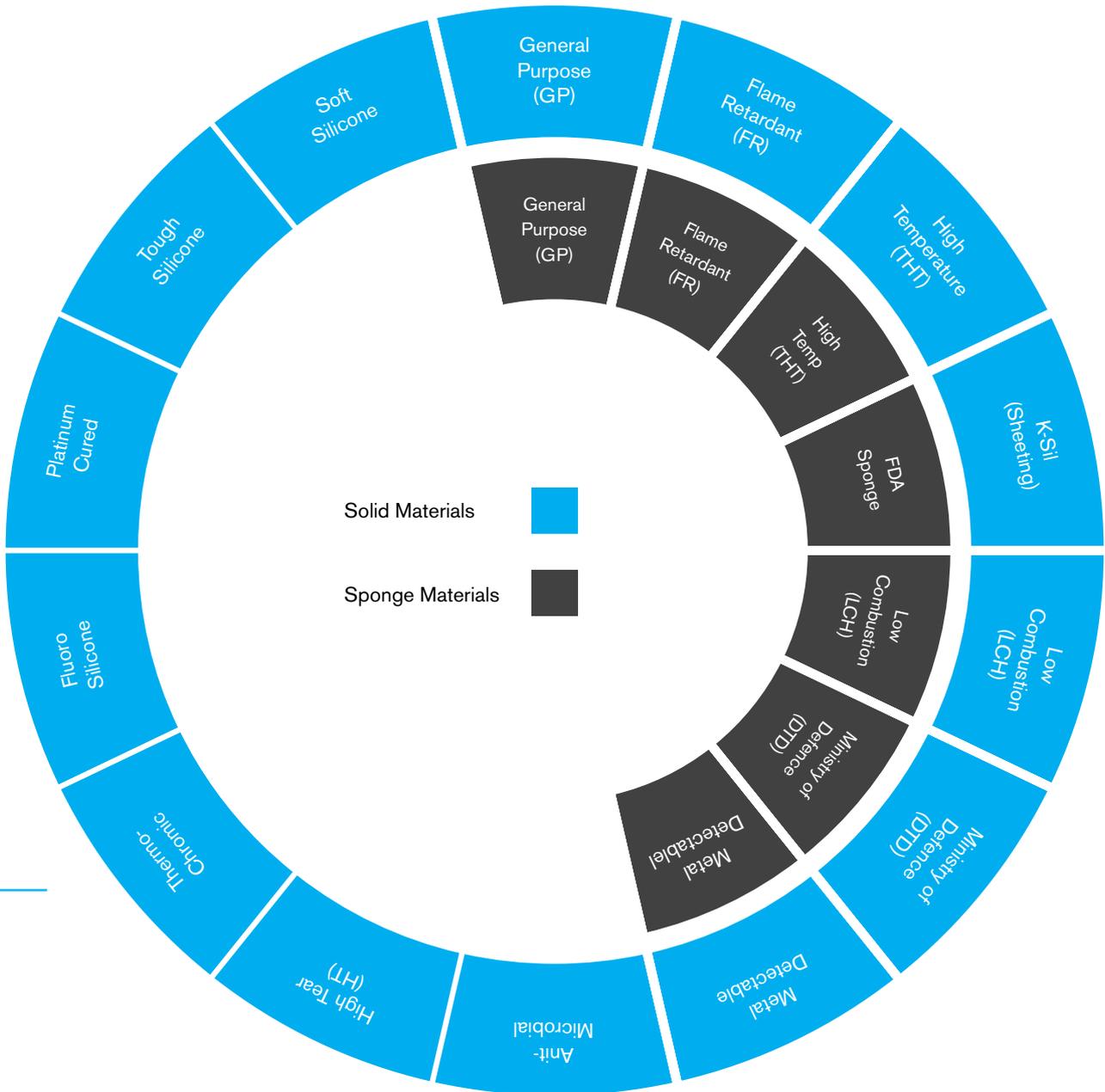
Materials

With over 50 years experience of silicone rubber manufacturing we have built an incredible portfolio of compound formulations.

Driven by customer demand and environmental changes our technologists are continuously developing and improving our materials to suit all types of application.

The diagram opposite simply demonstrates our current offerings in solid and sponge (cellular) silicone rubber.

However, if you don't see a product or material you could apply to your application, tell us what you need and we are confident we can develop a solution to meet your requirements.



[The latest innovations](#)

At Silicone Engineering, we always aim to be at the forefront of silicone technology innovation. This is the only way we can be sure to keep providing you with the products that meet your specific needs – whatever industry you're in, and no matter how rapidly it's changing. Using more than 50 years' experience, and with unrivalled technical resources, we'll work with you, closely and confidentially, to develop cost-effective solutions to any silicone challenge.

[In the laboratory](#)

With one of the best-equipped laboratories in the industry, we can develop and introduce new materials to very tight deadlines. But that doesn't mean cutting corners: we formulate, test and certify all our material developments to the relevant standards before going to market. Using our comprehensive mixing and compounding facilities, we currently process more than 1,200 tonnes of silicone each year, and maintain full quality control and material integrity at every stage.

[More than materials](#)

Innovative materials often need new processing methods to ensure their properties are maintained, or even enhanced, when they're used in manufacturing. So our creative approach doesn't stop once we've developed a new material: we also use our manufacturing expertise to prototype, refine and keep improving the processes in which our materials are used. This means continually investing in equipment – to ensure your new products give you the performance you need, at the right price.

[On a mission to innovate](#)

Many businesses claim to be innovative – but for us, it's a matter of survival. To keep our customers coming back to us, we have to keep developing new ways of using silicone. So innovation is central to our business. It's our mission to be creative, to help all our customers stay ahead of the competition, through fresh thinking and a pioneering approach to silicone's role in industry.

[Image Right](#)

Our Rheometer, the latest technology allows meticulous quality control for the highest standard of product.





Our products at a glance. A summary of our current product range:

Silicone formulations

expansil™

Our sponge range is available in general purpose silicone, high temperature, flame retardant and low smoke/low toxicity.

surasil™

Our solid range is available in general purpose silicone, high tear, high temperature, flame retardant, low smoke/low toxicity, dairy and cable insulation grades.

ksil™

Our sheeting range is available in general purpose silicone, high tear, high temperature, flame retardant and low smoke/low toxicity.

We're also able to provide sheeting specifically for the vacuum forming industry - ask for further information.

neutrasil™

A special formulation that gives anti-microbial protection to the application by actively destroying bacterial strains.

metectsil™

Mainly used in food processing applications this material is made in three different strengths Lite (Blue), Standard (Dark Blue), Premium (Black) of solid silicone and is also available in a sponge variant. Any pieces of gaskets made using these materials that become detached for the processing unit and contaminate the foodstuff, can be detected on line avoiding the contamination reaching the customer.

reactasil™

A silicone rubber that changes colour when it reaches a defined temperature. Currently available in 30°C, 40°C, 50°C, 65°C initiation temperatures, best suited for non FDA, mid range temperature applications. For example a warning indicator on a metal kettle. The product reverts back to its original colour when cooled.

Product formats

Calendered sheeting
cured, uncured and fabric reinforced

Extrusions
cords, tubes and profiles

Gaskets

Jointed rings

Mouldings

Insulated cables

Seals and washers

To find out more about our full range, or to discuss how we can meet your specific needs, call +44 (0)845 6744 747 or email sales@silicone.co.uk.

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