

Why choose Sapa?

- > We find solutions together with our customers
- > The earlier we get involved, the more value we can add
- > In-house fabrication allows us to supply you with finished products
- > Vast experience based on successful projects
- > Sapa technology is available to meet any challenges that require specialised efforts and resources
- > Experienced technical people to support product development
- > We constantly strive to reduce the time it takes to go from idea to finished product
- > Flexibility of UK local supply

The benefits of extruded aluminium:

The extrusion technique has few limitations. You can incorporate a number of functions into the profile design, to make the extrusion easier to machine and simpler to install. You can save metal by placing it where it is needed most and consequently reducing the weight of the structure. Aluminium has a unique combination of attractive material properties which contribute to a solution with low environmental loading.

In-house extrusion:

Sapa Profiles is a four-press operation on 2 sites with an installed capacity of over 50,000 tonnes per annum. As well as offering a large number of standard profiles we can help design the perfect extrusion for a particular application.

We currently hold over 25,000 different dies.

Our four presses of varying capabilities complement each other to give the maximum flexibility.

In-house design:

When you are in the early stages of developing a new product, we invite you to consult our technically trained personnel. They can offer guidance on the section designs that will best suit your particular application, as well as detailed advice on matters such as thickness, stresses and surface finish.

In-house die making:

Making the difference to your design - die tooling can be designed to give optimum flexibility to extrusion profiles.

Compared to other materials it is a cost effective way of getting products to market faster, which is why Sapa have invested in our own die making facilities.

In-house fabrication:

Sapa today is just as much a knowledge company and an industrial partner, as an extruder of aluminium profiles. Often an aluminium profile is part of a larger project and has to work together with other components in a system. The earlier a customer brings us into a project, the more value we can add.

A Sapa profile is often the result of a partnership between the customer's design department and our technical staff. But the job doesn't finish when the profile is extruded, processed and treated. As a complete industrial partner, we can **turn your profile into a finished product** - ready for shipping to wholesalers, retailers or directly to end customers.

A part of our customer's production chain - we have the most modern equipment and the latest control systems and tools and are constantly developing and refining our processing methods.

In-house anodising:

Sapa has extensive knowledge of all types of surface treatment you may want for your product.

Anodising refines the natural properties of aluminium and gives a decorative transparent surface with a high level of corrosion resistance and can also be coloured in different shades.

Sapa has the facilities to offer natural anodising on aluminium profiles up to 7.5 metres long at our manufacturing plant in Cheltenham.



The benefits of extruded aluminium:

- > Low weight
- > High strength
- > Superior malleability
- > Excellent corrosion resistance
- > Recyclable material

Where do our profiles go?

Here are some product examples:



Aluminium and the environment

The primary source of aluminium is bauxite, one of the Earth's most abundant natural resources, accounting for 8% of the Earth's crust.

Aluminium can be reused for the same purpose over and over again. Unlike many other materials, aluminium does not lose its unique properties. 70% of products are made from recycled aluminium.

Recycling requires only 5% of the original input. To take advantage of the recycling properties of aluminium, Sapa has remelting facilities in the UK. Out of Sapa's total production, around 50% is based on recycled aluminium.

Energy efficient recycling

Aluminium products that have reached their natural 'end of life' have become an increasingly important source of raw material for production. In principle, all available aluminium can be recycled to produce new generations of products.

Aluminium, collected for recycling can circulate in an almost endless cycle. The loss of metal from oxidation during smelting is negligible, averaging only a few percent of the total mass.

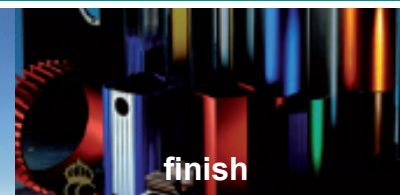
Whatever your requirements, we have the solution to suit you. Whether you are looking for a standard profile, or all the experience of our dedicated design team to create a totally new extrusion, Sapa Profiles extensive range will suit you;

Standard profiles

Bespoke profiles

Our technical expertise is always available and we invite you to involve us early in any product development so that we can help provide a cost effective solution to your requirements.

providing **solutions** and adding
value to your business



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