

Lead Sizes

To complement the large selection of colour options, our lead is available from 2mm to 22mm and comes in three distinct shapes: Oval, Flat and Heritage.

Oval and Flat Profiles

15mm, 18mm and 22mm

Popular for creating rectangular lead styles on larger areas or for backing-up of face-fixed Georgian/Muntin bars.

9mm and 12mm

Used mainly for straight line leading styles or as a border.

6mm

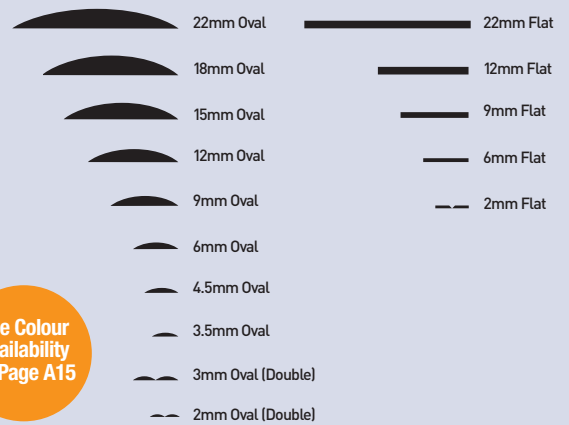
The perfect width for leading around glass bevels and borders.

3.5mm and 4.5mm

Popular widths for use with Stained Glass Art Film and for detailed work.

2mm and 3mm

These leads are supplied 'kiss-cut' in easy to split double strands and are commonly used for fine detailed applications.



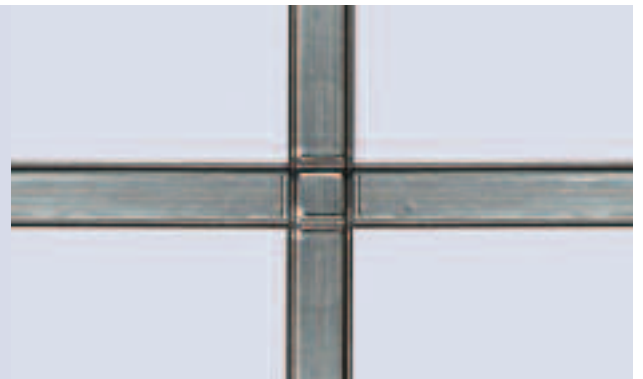
See Colour Availability on Page A15

Heritage Profiles

Our Heritage profile lead is used to match traditional lead coming and is often used on historic buildings. The Heritage lead has raised 'ridges' on either side of a flat profile and is designed to be used in grid patterns. Heritage lead is available in the following sizes:



Available in Antique and Natural Only



Technical Information

Lead Oxidisation

Like many natural materials, lead is subject to an atmospheric transformation when exposed to the environment. This process, called Oxidisation, is entirely natural and eventually causes the lead to adopt a 'weathered' appearance like that found in traditional stained glass windows.

Why does oxidisation occur?

When lead is exposed to environmental factors, particularly rain or snow, compounds within the metal react to form a natural, non-porous surface coating. This protects the lead by preventing any further reactions with the atmospheric conditions. It is this natural protective barrier, called a patina, that gives the traditional look.

Factors affecting oxidisation

There is no way to tell how quickly oxidisation will occur. The main influencing factors include time of year, weather conditions, location, environment and airborne contaminants.

The process of oxidisation

Several temporary effects are visible during oxidisation and are most noticeable in the initial stages. The lead can take on the appearance of several different colours, often looking bronze, blue, gold and green, creating a similar effect to that of oil on a wet road. This is a natural part of the process and the colours will gradually fade.

Another common part of the oxidisation process is the appearance of discolouration, spotting and white powdery deposits. This occurs when the lead first comes into contact with water. Like the colour changes, this part of the process is natural and temporary. However, as the white powder can often run during wet weather, it is necessary to wipe it off occasionally to stop it staining the glass or the window frames.

Treating the lead

There is no need to treat the lead as the process will occur naturally. However, Patination Oil can be applied to prevent any discolouration or blemishes in the early stages. Additionally, this controls the process by encouraging the patina to form more quickly. When using Patination Oil, it is important to apply it as soon as the lead profile is installed, as once the natural process starts, and any blemishes appear, it will be too late to use it. Patination Oil can stain glass so apply to lead only.

For more information and to see our Patination Oil product range, please see page A148.

Technical Specifications

Colour options available can be split into 3 categories:

Natural Lead has no coating and will oxidise over time to give the 'weathered look' of traditional old leaded windows. To improve the performance of natural lead, we recommend using patination oil. It is possible to solder natural profiles.

Coated Leads use advanced pigmented polymers to create the extra colour options in Brass, Satin Brass, Antique, Satin Antique, ClearKote and Platinum. These coatings also provide additional weather resistance and retain their appearance for many years.

Brass coated products are only guaranteed when encapsulated in triple glazed units.

Polyester Powder Coating gives the White, Gold, Cream, Ebony, Titanium, Antique Iron and Antique Copper their colour and these finishes are recommended for interior applications only as they offer limited weather resistance.

For further technical information, visit the brochures/data sheets section of our website www.regalead.com and download technical data sheets TDS01, TDS02, TDS04 and TDS24.

Health and Safety

It is recommended that you follow health and safety precautions when working with and handling lead.

The Lead Health and Safety data sheet, published by the Health and Safety Executive can be downloaded from: www.hse.gov.uk - see publications/free leaflets/lead.

For California residents title 22, article 6 (proposition 65) on Clear and Reasonable Warnings should be followed.

