



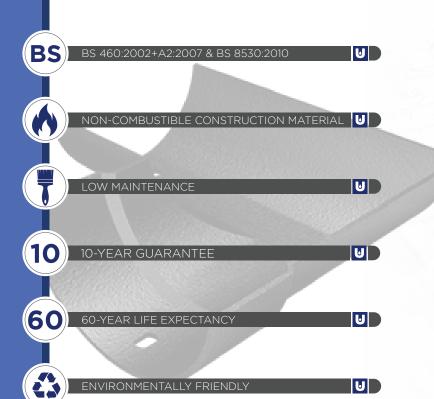
U CAST ALUMINIUM GUTTER INSTALLATION GUIDE

## WELCOME TO OUR INSTALLATION GUIDE

Designed to emulate traditional cast iron, our Legacy Cast Aluminium Gutters are manufactured from the highest quality materials and are available in various sizes and profiles.

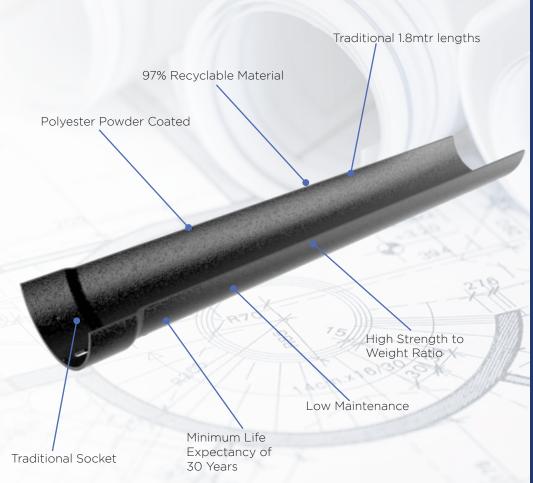
Our guttering is supplied with a polyester powder coating (PPC), in a textured cast iron effect. The gutters come with a "leatherette" finish, but other colours are available as a special order.

A complete range of accessories, in a traditional style, such as angles, outlets, stop ends and brackets, is available.



### **The Gutter**

Cast gutters will often feature the characteristic cast mould and seam imperfections, an aesthetic that is very well suited to traditional and heritage properties.



### **Recycling and Sustainability**

Aluminium can be infinitely recycled, only losing less than 3% of its material properties during the recycling process. Recycling also uses 95% less energy than the extraction process! 75% of all aluminium ever produced is still in use today. 92-98% of aluminium from building demolition is recycled.

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### Accessories

Any use of sealant must not be carried out in wet weather or in temperatures below 5°C or above 50°C. All joint surfaces must be perfectly clean and dry. Only a low modulus sealant must be used to prevent early failure. Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement (3-4mm) within the gutter joint.



Where gutters or pipes are powder-coated, then cut edges should be de-burred and repainted with touch-up paint.



It is important that all fixings are suitable for both the substrate and the load. Therefore, they **must** be of the appropriate size and of a compatible material to ensure no electrolytic corrosion occurs. We recommend that stainless steel screws are used.



Traditional Gutters are fitted together using M6  $\times$  20mm aluminium nut, bolt & washer.

### **Setting Out**

Gutters may be installed flat (at level) or to a fall of 1:600 (maximum of 1:350) If the surface is flat, make sure that the gutter is set at the correct height at the centre point and use a string line or level to make a series of marks to indicate the correct height along the run length. When trying to achieve a fall the lowest point needs to be the outlet, so mark this position first, followed by the end of the run, and then use a string line to mark regular points of reference.

## **Cutting and Drilling**

Gutter sections may be cut and drilled on-site using standard metalworking tools, however, the use of angle grinders is not recommended. Where gutters or fittings are powder-coated, then cut edges should be de-burred and repainted with touch-up paint (available from PBSL Group).

### **Handling and Storage**

Gutters, downpipes, and fittings, particularly with polyester powder coat, finish should be handled with care and preferably stored under cover on racks to prevent scratching. Whilst not known to pose any health hazard, it is recommended that protective gloves be worn when handling mill finish aluminium.

All lengths are supplied in a protective polythene wrapping with components similarly wrapped and stored in cardboard boxes. If a PPC product is to be stored outside, cover it with a tarpaulin to protect against rainfall and direct sunlight. Failure to do this may allow water to get trapped inside the protective wrapper and could lead to permanent watermarks on the paint finish. Mill finish items should be stored under cover to avoid uneven oxidization before being fitted.

### **Safety**

Personal protection equipment (PPE) should be worn at all times when installing cast aluminium guttering

We recommend to wear gloves, protective eye wear, and a dust mask.



