

CAST ALUMINIUM GUTTER SYSTEMS

TECHNICAL DATASHEET



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OVERVIEW:

A comprehensive range of traditionally designed, cast aluminium gutter profiles with simple spigot joints, wet sealed and bolted with an extensive range of fixing options. Cast gutters are manufactured using modern aluminium casting techniques and are factory finished.

DESCRIPTION & SIZES:

CUMULUS - Half Round Cast Aluminium Gutters

The Cumulus range is a commonly specified half round shape that is fully interchangeable with gutters of similar section, making ideal for repair and refurbishment projects as well as new buildings. There are four nominal widths in the range, 100mm, 113mm, 125mm and 150mm. All gutter lengths and angles are supplied with one left hand cast-on socket as viewed from the front. All outlets are supplied with two cast-on sockets.

Length: 1.83m Sizes: 100mm / 113mm / 125mm / 150mm

ALTOCUMULUS - Beaded Half Round Deep Flow Cast Gutters

The Deep Flow Altocumulus range combines practical high flow rainwater disposal with timeless aesthetic appeal. Because of its flow capacity, it is suitable for commercial and industrial application as well as domestic use.

Length: 1.83m Size: 125 x 100mm

STRATUS SPECIAL - Moulded Ogee Cast Aluminium Gutters

The Stratus Special cast aluminium profile is a system designed with traditional spigot fixings. As with the extruded Stratus range, it has a high flow capacity. There are three sizes: 100mm x 75mm & 125mm x 100mm, which have a left handed spigot, and 150mm x 100mm which have a right handed spigot.

Length: 1.83m Sizes: 100 x 75mm / 125 x 100mm / 150 x 100mm

CIRRUS - Victorian Ogee Cast Aluminium Gutters

The JWD Cirrus profile is an aluminium copy based on the 19th century Victorian cast iron design. It is fully interchangeable with existing gutters of similar section and is therefore ideal for restoration and refurbishment.

Length: 1.83m Sizes: 100mm / 113mm / 125mm / 150mm

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Manufacturing in Britain

GUTTER JOINTING:

Clean and dry all jointing areas with a low alkaline degreasing agent. Apply a generous bead of low modulus translucent silicone sealant (approved to BS 5889 or similar) to the internal base and sides of the gutter profile. Place the connecting collar in position and align with corresponding fixing bolt holes. Tighten the nuts evenly starting at the base of the gutter.

The silicone will be compressed and displaced into the bolt holes and between the gutter and the connecting collar. Clean away excess silicone and repeat the same procedure on all joints and fittings.

FINISH:

Mill finish or polyester powder coated.

COLOUR:

Polyester powder coated colour to a standard RAL, BS 4800 or BS 381 C range by Akzo Nobel, applied by MAC - a Service First, ISO 9001 approved applicator. Applied to standards indicated in BS 6496.

MATERIAL:

Cast aluminium is made from commercial LM2 grades of aluminium alloy to BS EN 1559:1997, BS EN 1676: 1997 and BS EN 1706: 1998, nominal thickness 4mm.

DURABILITY:

MAC Cast Aluminium Gutter Systems have a low maintenance life in excess of 40 years in rural and suburban conditions, and in excess of 25 years in industrial and marine conditions.

COMPATIBILITY:

Direct aluminium contact with dissimilar metals or with materials containing lime or cement should be avoided. The use of aluminium in conjunction with copper roofs, cladding or flashings should also be avoided. Please contact MAC Technical Services for advice on using these materials in heavily polluted or marine environments.

FIRE RATING:

Non-combustible to BS 476, Part 4: 1970 (1984). Melting temperature for aluminium is approximately 660°C.

MAINTENANCE:

Routine inspections are recommended with particular attention to the following areas:

- Regularly clean out rainwater heads and gutters and ensure that downpipes are clear at all times;
- Check that joints and fixings are secure at least twice each year (preferably at the beginning of Autumn and again at the end of Winter);
- Where necessary, brush down unpainted surfaces lightly in order to inspect;
- Never rest ladders against the gutters, even on well-fixed installations;
- Regularly clean polyester coated surfaces by washing down with a warm detergent solution, and maintain paintwork in good condition. Do not clean with caustic or abrasive materials. In aggressive atmospheres such as marine environments and industrial areas BS 6496:1984 requires this cleaning to be carried out at up to three month intervals to maintain optimum appearance and durability;
- Please note that mill finish goods will develop a natural grey aluminium oxide coating, which forms a hard protective layer, preventing additional oxidization.

ACCESSORIES:

MAC Cast Aluminium Gutter Systems are available with a range of complimentary accessories, including outlets, angles, stop ends, brackets and connector clips. For further details please contact MAC Customer Services or refer to the our dedicated Rainwater Catalogue.



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