



Technical Product Datasheet

Extruded Aluminium Gutter Systems

Extruded Aluminium Gutters

A full range of traditional gutter profiles with simple wet sealed joints (Clip Fit, NBW or Joggle Joint Dependent upon the profile) and an extensive range of fixing options. The range comprises of standard gutter lengths – 3m, 2.5m, 2.0m, 1.0m, 0.5m and associated fittings.

Half Round Beaded (NBW)

112mm (4.5"), 125mm (5"), 150mm (6"), Deep flow (125 x 100mm)

Moulded Ogee (NBW)

100x75mm (4x3"), 125x100mm (5x4"), 150x100mm (6x4"), 200x150mm (8x6")

Clip Fit Half Round Beaded

112mm (4.5"), 125mm (5"), 150mm (6")

Clip Fit Moulded Ogee

100x75mm (4x3"), 125x100mm (5x4"), 150x100mm (6x4")

General

Gutter Jointing

Clean, then dry all jointing areas with a low alkaline degreasing agent. Apply a generous bead of low modulus translucent silicone sealant, BS 5889 or similar approved, to the internal base and sides of the gutter profile. Place the connecting collar in position and align with corresponding gutter length or fitting. The silicone will be compressed and displaced into the space between the gutter and the connecting collar. Clean away excess silicone and repeat the same procedure on all joints and fittings.

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VAT Registration No. GB 298 8805 82
Co. Reg. No. 960001



Colour Options

Stormguard Aluminium Rainwater products are supplied in plain (mill) finish or in a range of factory applied polyester powder coatings. Colours with a BS or RAL number can be supplied.

Architectural approved coater of Dupont, Akzo Nobel, Syntha Pulvin, IGP & Inver paint systems, ISO accredited to 9001:2008.

Manufacture

Extruded Aluminium rainwater profiles are extruded from alloy 6063 T4 T5 T6 to BS EN 775- 9-2001. Sheet fabricated components are manufactured from aluminium alloy 1050 H14 that has a high corrosion resistance and is produced to tolerances EN 573-3:1994 and EN 485- 2:1994.

Durability

Coated and maintained Aluminium gutter systems can have a low maintenance life in excess of 40 years in rural and suburban conditions, and in excess of 25 years in some industrial and marine conditions.

Compatibility

Direct aluminium contact with dissimilar metals or with materials containing lime or cement should be avoided. The polyester coating is not considered sufficient insulation to stop electrolytic corrosion, however, a layer of suitable barrier tape should prevent it occurring. Only use compatible fasteners and materials with aluminium profiles. The use of aluminium in conjunction with copper roofs, cladding or flashings should be avoided.

Contact Stormguard Rainwater Systems

Please contact the office where heavily polluted atmospheres or marine conditions are involved for advice on material choice.

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Fire Rating

Aluminium is considered non-combustible to BS 476, Part 6: 1989 (1984). Melting temperature for aluminium is approximately 645-657°C.

Lightning Conductivity

The need for a lightning protection system is a decision to be made between the architect, the builder and the lightning protection engineer. This should be based on the risk factor as calculated in BS 6651:1999. When such a system is chosen for a building all metal products should be cross bonded into it.

Maintenance - Routine Inspection

- Check that joints and fixings are secure by periodic inspection, not less than twice a year, and preferably at the beginning of autumn and again at the end of winter.
- Brush down coated surfaces lightly to inspect, if required touch up any surface damage.
- Even with a well-fixed installation, ladders should not be rested against the Aluminium Products.
- Clean polyester coated surfaces by regularly washing down with a warm detergent solution and maintain paintwork in good condition. Do not clean with caustic or abrasive materials. Aggressive atmospheres such as marine environments and industrial areas (BS 6496:1984) require this cleaning to be carried out at reduced intervals to maintain the PPC guarantee, optimum appearance, and durability. (These stipulations are requested on a project-by-project basis from Stormguard.)
- Lightning linkage fixings should be tested regularly in accordance with the specialist electrical maintenance instructions.

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Technical Support

Technical advice is available from Stormguard Rainwater Systems technical services via:

Telephone +44 (0)1625 665096

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Email rainwatersales@stormguard.co.uk

Stormguard Rainwater Systems pursues a policy of constant product development and information contained within this datasheet is therefore subject to change without notice. It is the sole responsibility of the customer to ensure that all quantities are checked and that the correct products are ordered for the application.

It is the sole responsibility of the customer to ensure the correct Colour / Finish & Grade of Powder Coating is supplied prior to installation. If for whatever reason the incorrect Colour / Finish or Grade of PPC are supplied, Stormguard Rainwater will not be liable for subsequent costs beyond the costs of recoating once the products are installed.

Full Stormguard Rainwater terms & Conditions found at www.stormguardrainwater.co.uk/terms/

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