



Technical Product Datasheet

Aluminium Rainwater Downpipe Systems

Cast Collar

63mm (2.5"), 76mm (3"), 102mm (4"), 150mm (6"), 76x76mm, 102x76mm, 102x102mm, 150x150mm

A range of traditionally designed, socketed aluminium rainwater downpipes. Connections between pipes and fittings are made with loose cast sockets, available with ears for fixing back to the wall. Pipes can also be fixed with a choice of brackets to give alternative projections.

Swaged / Fabricated Collar

63mm (2.5"), 76mm (3"), 102mm (4"), 150mm (6"), 76x76mm, 102x76mm, 102x102mm, 150x150mm

The Swaged system is based on mechanically expanded spigots which give a smooth, clean appearance that complements modern building design. Where swaging is not possible or when requested fabricated collars are welded onto the pipes to achieve a similar effect. The pipes are mounted on brackets to stand clear of the structure.

Security

75mm, 100mm, 75x75mm, 100x75mm, 100x100mm, 150x150mm

Security Anti-Vandal Pipes designed to provide ungraspable flush fitting pipes with concealed joints and fixings.

Flush Joint

63mm, 76mm, 102mm, 76x76mm, 102x76mm, 102x102mm, 150x150mm

Flush Joint Pipes designed to provide a flush appearance at the joint.

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General

Pipe Jointing

All rainwater pipe sockets are of a light drive fit, apply a light bead of silicone to the internal aperture inside the socket prior to connection. This will provide a permanent, flexible seal and prevent any leakage from capillary action.

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

Cast aluminium collars are made from commercial LM2 grades of aluminium alloy to BS EN 1559:1997, BS EN 1676: 1997 and BS EN 1706: 1998.

Extruded aluminium rainwater pipes are extruded from alloy 6063 T4 T5 T6 to BS EN 775-9- 2001. Aluminium sheet is manufactured from aluminium alloy SIC H4 to BS 485- 1:1994. The pressed components are produced from sheet manufactured from SIC H4 BS EN 485-1:1994. Aluminium castings are produced from aluminium alloy to BS EN 1706:1998.

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.

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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.

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.

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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 to be 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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