

Guttermaster Internal Low-Pressure Pipe System

Guttermaster's Internal Low-Pressure Pipe System is suitable for use in domestic, commercial and public buildings in accordance with BS EN 12056-2:2000, BS EN 12056-3:2000, BS EN 752:2008 and BS EN 877:1999 in above ground drainage systems for the conveyance by combined or separate systems of surface and above ground rainwater as is permitted to be discharged into public sewers by the Water Industry Act 1991, Chapter 56, the Sewerage (Scotland) Act 1968 and the Water and Sewerage Services (Northern Ireland) Order 1973.

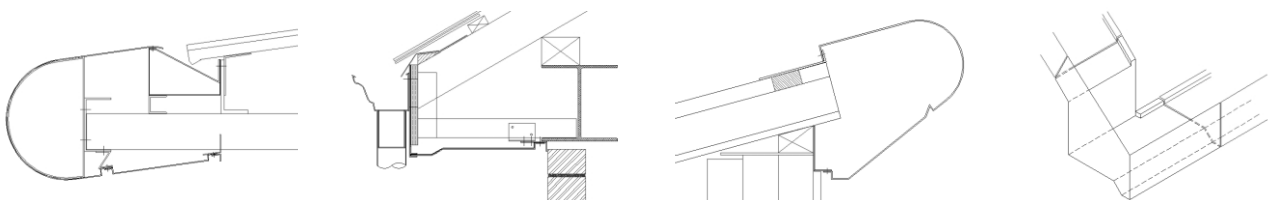
The system is available to suit a range of couplings comprising a stainless steel collar and an EPDM gasket for joining aluminium pipes from 50 to 200mm.

The couplings are manufactured from stainless steel, cut to size and profiled in an automated controlled process. Continuous quality control is exercised during and after manufacture to maintain product quality and including:

- visual and dimensional checks
- quality of weld
- minimum breaking torque of retaining nuts (20Nm²)
- deflection test of jointed assembly under load

The system joints remain watertight under conditions of pipeline movement, and have adequate resistance to the type and quantity of chemicals likely to be found in above ground rainwater drainage. An independent examination of the system satisfied the requirements of BS EN 877:1999 including:

- properties of EPDM sealing gasket
- watertightness at an internal pressure of 5 bar for sizes up to 200Ø
- watertightness at an external pressure of 0.5 bar
- effects of thermal cycling
- ease of jointing
- airtightness at an internal pressure of 10mbar



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