

To complete the clause, select the appropriate wording from below. Highlighted text can be 'dragged and dropped' to save typing.

## **R10 RAINWATER DRAINAGE SYSTEMS**

### **121 SIPHONIC RAINWATER DRAINAGE SYSTEM:**

#### **Fullflow Self Priming Syphonic Roof Drainage System.**

A Self Priming syphonic roof drainage system consisting of Primaflow® Self Priming syphonic roof outlets and associated pipework.

Systems and technical specifications are produced with the aid of Primacalc® computer software. Primaflow outlet bowls are available with plain spigots 56mm or 75mm external diameter and in a range of materials including, stainless steel, copper, galvanised mild steel, PVC coated aluminium and with the option of a small or large flange.

Outlets can be fixed mechanically or with a combination of mechanical and adhesive methods and are supplied with a self-adhesive sealing strip which complies with BS 6213: 1982(1992) and TEK screws to BS 4174: 1972.

Suitable pipework ranging in diameter from 40mm to 315mm is available in cast iron, stainless steel, galvanised mild steel, aluminium, copper and polyethylene.

The Fullflow Self Priming Syphonic Roof Drainage System has been tested and awarded Agrément Certificate No 96/3279 Second issue.

The Fullflow Self Priming Syphonic Roof Drainage System complies with the recommendations of section 9.6 of H R Wallingford Report SR463, dated September 1996, Performance of Syphonic Drainage Systems for Roof Gutters.

Other criteria for design parameters includes BS EN 12056-3: 2000.

Consult Fullflow Group Ltd technical literature for details. As syphonic systems have to be designed to suit each individual application, using a computer aided design process, Fullflow Group Ltd provide a full design and specification service combined with a project management system to oversee the project from design to on-site completion and it is recommended that they are consulted early in the design process. Create a revised clause and complete as follows:

### **121A SIPHONIC RAINWATER DRAINAGE SYSTEM:**

#### **Manufacturer/ System designer:**

Fullflow Group Ltd. Fullflow House, Holbrook Avenue, Holbrook, Sheffield. S20 3FF.

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#### **Product reference:** Fullflow Self Priming Syphonic Roof Drainage System

System design: To operate on syphonic principles so as to be regularly self cleansing in normal use.

#### **Pipework:** Airtight at maximum and minimum operating pressures.

To accommodate thermal movement using flexible joints or other suitable means without damage to fixings and joints or excess stress, abrasion or noise.

**Roof/ gutter construction and finish:** *Insert requirements.* Consult Fullflow Group Ltd technical literature for details.

**Design rate of rainfall:** As BS EN 12056-3, National Annex NB.2, Category 1, 2, 3 or 4.

**Design life of building:** *Insert requirements* years.

**Available capacity of below ground drainage (maximum):** *Insert requirements* litres/ second.

Design water depth after design rainfall of: mm *Insert requirements* minutes duration (maximum):  
Insert requirements

**Overflow arrangements:** Wier overflows in ends of gutters. Height to be above the maximum depth of water produced by the syphonic outlets at design intensity, or Secondary Systems (in Valley Gutters) or Secondary Spigots (in Eaves Gutters)

**Syphonic flow velocity (minimum):** 1.0 m/second Recommended.

**Pressure imbalance (maximum):** 8.0 m/second Recommended.

**Operational pressure (maximum):** *Insert requirements.* Consult Fullflow Group Ltd technical literature for details.

**Rainwater pipework:** High density polyethylene as clause 415. Pipework pressures must be designed within the range of +5.00 to -0.80 bar gauge pressure. Consult Fullflow Group Ltd technical literature for details.

**Other requirements:** Consult Fullflow Group Ltd technical literature for details