

## **aquatherm**

state of the pipe

**Generic Specification – aquatherm green pipe (fusiotherm) and lilac**

**GENERIC SPECIFICATION : aquatherm green pipe (PPR-80) SDR 11 and SDR-7.4, SDR 7.4 faser pipe systems– Generic (simple) specification, 16mm to 250mm Outside Diameter and covers ID (DN 15 to DN200), manufactured in accordance with DVGW working sheets for potable water and the requirements of DN 8077 and 8078**

**aquatherm green pipe faser (mf) SDR 7.4** fiber composite (sizes 20 to 250mm) fusiotherm PPR-80 Polypropylene for all hot water risers ring mains returns and feeds (temperature up to 70degc @ 8.1 Bar) and in accordance with manufacturers specifications, instructions, recommendations and test procedures as described in the aquatherm technical catalogue 2012. Outlet from the Hot water cylinder must be in CU pipe to the inlet of thermostatic mixing valve, Green pipe faser is used from the outlet of the TMV for the tempered water e.g. 55 degrees/ 65degrees c)

Installation by aquatherm approved Registered Installers; all fittings, pipe, tools & attachments for the polypropylene reticulations are to be brand matched, installed in accordance with manufacturer's technical information, requirements of NZBC and to insure warranty & durability and compliance documents BRANZ 539 and SAI Global Watermark 2010. **Note** Heat trace is acceptable practice with PPR pipe work in accordance with heat trace supplier's technical data and insulation requirements.

All aquatherm green pipe (fusiotherm) pipes and PPR fittings can be installed in ground and concrete, installations in ground and in concrete are to be completed in accordance with BRANZ Appraisal No. 539 (2007) and the Building code.

### **U V protection for outside use .**

Any external installations of the polypropylene system must be protected from UV by either the use of **aquatherm green Fusiotherm® SDR 7.4 FASER UV** (sizes 20 . 125 mm OD) is recommended, fittings are painted with Aquatherm UV paint. Any other pipe work can be used outside as long as it is shielded, painted covered etc.

### **Non Potable cold water reticulation - pipe materials**

**aquatherm lilac pipe SDR 11** (13 bar non potable cold water pipe lilac sizes 20 to 250mm OD) PPR-80 Polypropylene, in accordance with manufacturers specifications, instructions, recommendations and test procedures as described in the aquatherm technical catalogue edition 2012; Installation by aquatherm approved Registered Installers; all fittings, pipe, tools & attachments are to be brand matched, installed in accordance with manufacturer's technical information, compliance documents BRANZ 629 and SAI Global Watermark 2010, and to insure warranty, durability and the requirements of NZBC conditions are met.