



aquatherm

state of the pipe

Generic Specification HVAC – aquatherm blue pipe (Climatherm)

aquatherm blue pipe (Climatherm) (PPR-80) C-GF SDR 7.4 and SDR-11 pipe, 20mm to 250mm Outside Diameter (DN 15 to DN200)

Chilled, LTHW, MTHW reticulation - pipe materials

All HVAC chilled and heating water reticulation should be installed in faser Expansion_Controlled **aquatherm blue pipe (Climatherm) SDR 7.4 (20 & 25mm sizes) and SDR -11 (32 to 250mm sizes)** PPR-80 Polypropylene and fusiotherm fittings, in accordance with manufacturers specifications, instructions, recommendations and test procedures as described in the aquatherm technical catalogue 2012. In conjunction with installation by aquatherm approved Certified Installers; all fittings, pipe, tools & attachments for the polypropylene reticulations are to be brand matched, such that all available (and fit for purpose) warranty & durability conditions are met and the installation and technical requirements of Aquatherm GmbH. Aquatherm blue pipe is also suitable and recommended for industrial Glycol applications swimming pool application, compressed air, Co2, foaming lines bore applications and other fluid transfer.

aquatherm blue pipe is also available in XL pipe work and fittings SDR 17.6 for Chilled, LTHW, MTHW reticulation in butt welded applications from 160mm to 600mm sizes.

Insulation –aquatherm blue pipe Climatherm) and fusiotherm fittings

Closed cell insulation is acceptable and normal practice where dew-point or heat loss protection is required, there are various sources of this material such as Aero flex, Arm flex etc. aquatherm Germany recommend 13mm closed cell insulation for all applications in Ring mains, heating and chilled water applications. Chilled beam installations may well not require insulation due o temperature range. Dew point calculation date programme available on request.

Aquatherm blue pipe In ground pre insulated pipes and fittings

Aquatherm ISO proprietary HDPE jacketed polyurethane systems are suitable for in ground heating water and or chilled installs, all inquiries and pricing to Aquatherm NZ. Heat trace can be used Climatherm pipe work in accordance with heat trace suppliers technical data and insulation requirements. All Climatherm pipes and fusiotherm 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 exposed pipes

Aquatherm blue pipe (Climatherm) is available in black UV protected lengths; all fittings must be protected from UV by painting, sleeve/covered/coated to prevent UV degradation.