

Aquatherm Products for a Green New Zealand

The fusiotherm®-pipe system made by aquatherm Germany has proved its technical suitability in worldwide applications of potable water, heating plants for 30 years. Innovatively manufactured in Germany from fusiotherm PPR, BRANZ appraised and recognized as an inert food grade approved material with feature: improved flow rates, corrosion free, reduced insulation requirements, frost protection, sound stability, PVC free and a fully recyclable Greenpeace approved environmental choice product. Well established now in the NZ building Industry since 1999 with installations in major environmental Hospitals, Green build office Buildings, Institutional University land marks and environmental future proof housing subdivisions.



www.GreenBuild.co.nz

Aquatherm fusion welded systems currently available in New Zealand

Fusiotherm.... Potable water networks for cold and hot water installations and domestic sprinkler systems in accordance with the NZBC. BRANZ and SAI Global appraised.

Aquatherm Lilac.... welded into fusiotherm fittings distinctively coloured for compliance to our standards for non potable, Grey water, rain water harvesting collection systems for flushing systems.

Climatherm HVAC..... Pipe systems, for Hot and chilled water systems, manifolds, Risers, laterals, Radiator connections.

Firestop Sprinkler System.... is AON and Verifire approved commercial fire sprinkler system with installation as per fusiotherm pipe.

Recycling and environmental statement

Pipe systems innovatively manufactured in Germany from fusiolen polypropylene are appraised and recognized as an inert food grade approved material, **non toxic and PVC free**. The raw material, manufacturing processes and recyclability of the material has been overviewed by "Greenpeace" which confirmed our potable system Fusiotherm as an **"environmental choice product."**

The product is easily ground, melted and reutilised for various applications during manufacturing i.e. waste and or at the end of service requirement into motor industry parts, domestic goods, transport boxes both here in NZ and internationally. There are no polluting substances with PP-R (80) Fusiolen either in its processing or in its disposal.

Energy required in the manufacturing and recycling process is considerably less than traditional mineral systems.



Future product approved by
GREENPEACE


Composition all systems

All welded systems are fusiolen PP-R (80) Aquatherm's own raw material. Fusiolen physical and chemical properties are well-suited to the transfer of hygienic potable water, heating field and now innovation and testing has approved a fire sprinkler system. With excellent welding properties for fusion jointing, all connections are a permanent lifetime connection of pipe and fittings.

There are no polluting substances with PP-R (80) Fusiolen either in its processing or in its disposal. By adding suitable food-approved additives to fusiolen smell and taste neutrality are assured and the additive share is below 3% in all systems insuring a purer material in its final

Technical Properties and installation all systems

- Free from heavy metals hazardous to health – lead, Cu N.
- PVC free.
- Brass is only used for threaded components so comprises a small % of the system.
- Training. Aquatherm conducts training courses nationally to certify trades people in the application of their welded systems. The training course itself is a 3-4 hour session that involves theoretical and practical tuition. Insuring installation aspects in accordance with manufactures requirements and registered installers.
- Manufactured in accordance with German DIN requiring a service life in excess of 50 years.
- Warranty, aquatherm covers for its pipe systems an international warranty. This warranty covers damage to the value of \$5million in the event of product failure. At the completion of installation, pressure tests are undertaken and recorded on a warranty form.

Certificates / Compliances and Relevant Standards		
	BRANZ No 539	ISO 9000
	Greenpeace Certificate	NZBC
	SAI Global Water Mark	
	WRASS Hygiene approvals	
	Hygiene certificate AMS	
	VERIFIRE Certificate	
	AON Certificate	
	DVGW Certificate service life	

