



Case Study

Carter Holt Harvey Dairy Conversions

Location: Around Tokoroa, Central North Island
Product Used: Elysee MD Compression Fittings
Application: Stock & Domestic Housing Water
Pipe Sizes: 32mm to 90mm

Elysee Medium Density (MD) Compression fittings are manufactured in Europe by an ISO9001:2008 accredited manufacturer and supplied into 60 countries around the world. Waterworks Wholesale are proud to bring these highly reputable fittings, in fact the world's most certified fitting, to New Zealand as the sole importer and distributor.

Elysee fittings are suitable for temperatures from -20°C to +60°C and pressures of up to 16 Bar, for sizes up to 63mm, and 12.5 Bar for sizes 75mm-110mm. The body of the fittings is manufactured from a high performance polypropylene copolymer PP-B. This offers excellent long-term pressure resistance, high impact resistance and excellent protection against degradation due to UV radiation.

As a general guide, based on information available and the successful performance under the nominated test regime, Elysee MD Fittings hold a realistic life expectancy of 50 years before replacement or major repair. Many factors can influence this expectancy.

Here's a real life story of Elysee MD Compression Fittings in New Zealand:

South Waikato Water Solutions, a Tokoroa based agricultural water solution specialist, was awarded the contract to install the pipework for the stock and domestic housing water for the large Kinleith forestry to dairy conversion undertaken by Carter Holt Harvey, owned by the well-known Graeme Hart.

These 32 farms are located around Tokoroa in the Central North Island with altitudes of 600m and above from sea level. They experience varying temperature extremes from -9°C during the winter months to +32°C during the warm summer months.

For South Waikato Water Solutions, this contract involved installing 480,000m of pipe, that's just for the water, 15,000m per farm, and 60 troughs per farm. There were varying pressures of over 200 PSI and in some parts of the project up to 16 Bar pressure rated pipe was required. Elysee MD Compression Fittings were selected for this project because of their ease of installation benefits and the high quality shown by their fittings. "In 32 farms we only had one faulty O-ring. Elysee were great, you know when they are pushed in, the quality is excellent, your service was outstanding, and they're value for money. We've had no call backs, problems, or complaints" Wayne Johnston, Director of South Waikato Water said.

The Tow Test

Early on in the CHH project, South Waikato Water Solutions were using a mixture of Elysee MD Fittings and another well-known brand. After having a pipe pull out of the other brand of fitting 100m up the trench from where they were working, they decided to test the pull strength of both Elysee fittings and the other brand. In this test they got a piece of pipe and connected an Elysee fitting on one end and the other brand on the other end. From there they tied a ute to either fitting and pulled in opposite directions. THE RESULT: The Elysee fitting held and the other fitting popped off.

This Carter Holt Harvey story shows that Elysee has been proven in some of New Zealand's most harsh environments, are a high quality product and has been trusted and used in one of New Zealand's largest dairy conversion projects. It's quality YOU can TRUST!

A huge thank you to Wayne and the Team at South Waikato Water Solutions, it has been a pleasure to work with you on this exciting project.

Talk to our team now about your piping projects 0800 387 677

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