



Polybutene
Piping Systems Association

Case Study

Maltworks Villas - Christchurch, NZ



Dux Industries Ltd



www.pbpsa.com

Maltworks Villas - Christchurch, NZ

Dux Industries Ltd



Maltworks Villas Development

Christchurch, the largest city in New Zealand's south island, is home to over 400,000 residents. Heathcote Valley, a suburb of Christchurch was formerly the location of Canterbury Malting Company which dominated the area. In February 2012 the extensive maltworks facility was demolished to make way for Maltworks Villas, a lifestyle village which was piped using the Dux SecuraGold™ polybutene-1 hot and cold pressured piping system.



PLC Group – Maltworks Villas

Property Lifestyle Concepts, or PLC Group, had the vision to turn Heathcote Valley's derelict Maltworks site into a new residential lifestyle village.

Having developed three previous large scale developments designed for mature residents the company has fine tuned the village concept with a strong emphasis on lifestyle to create a community atmosphere for like-minded residents.

Maltworks Villas - Christchurch, NZ

PLC's village project for Heathcote Valley, Maltworks Villas, contains 65 villas, a clubhouse facility, and a communal vegetable garden.

The villas are a mixture of single level and two storey homes, with single or double garages. Configurations vary with two or three bedroom options and floor plans ranging from 102 sqm to 200 sqm. The residences were piped using the Dux SecuraGold™ 15 and 20mm polybutene-1 system.

PBPSA member, Dux Industries manufactures and distributes the most extensive piping system for pressurised hot and cold water in New Zealand and Australia with 4 size diameters (12mm, 15mm, 20mm and 28mm) of lay flat pipe made from Polybutene-1. Used widely in residential, light commercial and industrial applications, SecuraGold™ is the system of choice among plumbing professionals and specifiers in the region.

The simple design and proven use of PB-1 for the piping delivers excellent reliability and long life under continuous heat and pressure. Combined with the benefit of simple, fast installation SecuraGold™ results in lower installation costs. Also, due to the fact that the Polybutene-1 system is chemically inert and highly resistant to minerals, the pipe will not "lime-up", rust, corrode or transfer any taste, odour or colour into water.

These considerations and the ability to work closely with Dux technical staff were all part of the decision made by Property Lifestyle Concepts to specify the Dux SecuraGold™ PB-1 system for the successful Maltworks Villas development.



January, 2019

Before using a product made from Polybutene-1 users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. Polybutene-1 may not be used in the manufacture of any US FDA Class III Medical Device or Health Canada Class IV Medical Device and may not be used in the manufacture of any US FDA Class II Medical Device or Health Canada Class II or Class III Medical Device without the prior written approval by Seller of each specific product or application. Polybutene-1 is not sold by PBPSA members for use in pipe applications intended for use in North America, and those parties require their customers or distributors not to sell products made from PB-1 into pipe applications for North America.