



# VICTORIA AVENUE, MELVILLE, MORRINSVILLE

CUPOLEX + BOWERS BROTHERS CONCRETE

## PROJECT

This project required a raft floor foundation. When looking for a foundation that had the structural strength to accommodate three multi-storey, side by side town houses, the Cupolex® patented plastic dome concrete forming system ticked all the boxes. Not only was the strength of the waffle foundation a key factor, creating a naturally warmer, healthier home was essential for this project.

## DESIGN

The plans specified for this project, required multiple TC2 floors that needed a raft foundation. The client, John Mourits, had never installed a raft floor before so contacted Bowers Brothers Concrete to assist with the project. Bowers Brothers worked with Cupolex to educate the client on how the system works, its benefits and cost savings. John Mourits was impressed with how simple the Cupolex system was to install, this then became the pod floor foundation he would use.

## INSTALLATION

The compact and light stature of the Cupolex domes made installation quicker and easier than expected with no machinery required. The unique shape of the Cupolex dome meant that there was no cutting of product to suit the foundation layout which created no excess waste on-site. With a compact site storage of product was limited. Cupolex was conveniently packed 52m2 per pallet ensuring the site was clear for contractors and vehicles. The domes are stacked for ease of transportation to and around the site. Bowers Brothers and Malcom from Cupolex were available throughout the installation process, providing on-site support when required.

### The Bowers Brothers Concrete and Cupolex Systems provided the following benefits to the project:

- 100% recycled plastic created from waste in NZ
- No excessive waste. Requires no cutting.
- Each Cupolex POD lots in beside each other
- It will not collapse as there is a stiletto in middle of POD, making it easy to walk over when pouring the concrete.



**CLIENT**  
John Mourits

**LOCATION**  
Victoria Avenue, Melville, Morrinsville

**PRODUCT USED**  
25MPa Raft Mix + Dramix 3D (15kgm³) + Cupolex



**0800 207 374**  
**BOWERSBROTHERS.CO.NZ**

