

precast houses



Above: This New Plymouth precast house features weatherboard and negative rebated precast wall panels with polystyrene insulation cast in.

Left: This view clearly shows the smooth clean weatherboard lines finish requested by the client. Left bottom. The complete house was erected in just two days and shows the versatility of Precast in different shapes and sizes.



Right: This view shows the garage on the left and large openings for living areas on the right. Right bottom: Although a modern sloping roof design, precast can also be used on a gable roof as in the Christchurch house below.



Above, left and right: This Canterbury residential property used insulated external wall panels. The longest panel was 8.8m and the highest was 4.85m. The panels weighed up to 8.5t. A total of 20 panels were transported in 4 truck loads over a period of 8 hours. The panels were placed in their final location in the house during this time.

The panels consist of an outside layer of concrete 55mm thick, then 40mm of polystyrene insulation and a 120mm layer of structural concrete. They provide thermal mass to keep the house cool in the summer and warm in the winter in an efficient and environmentally friendly way. There are various options for surface finishes – smooth exposed concrete, textured via plastering, or painted.

