

Project Brief

## Unicom Building Seismic Strengthening



Wellington, NZ  
2002



Seismic strengthening of this reinforced concrete building involved the installation of two layers of Tyfo® SEH 51A composite system wrapped horizontally around the columns for confinement and ductility.

The beam to column junctions were covered 25mm and the beams retrofitted with a u wrap of two layers of Tyfo® SEH 51A composite system and Tyfo® Anchors. This provided the required increase in ductility to the plastic hinge area.

Un-reinforced brick infill panels were held into the reinforced concrete frame with vertical strips of the Tyfo® SEH 51A composite system.

This solution added minimal dead weight to the structure and no usable space was lost from the building.

The fabric has been finished with the same colour acrylic paint as the ceiling and the subtle industrial texture remains visible on the beams.