

Project Brief

National Bank Floor Strengthening



Wellington, NZ
2009



The National Bank required a new storage system to be installed, significantly increasing the dead load on a floor. This floor was badly cracked and had recently had new penetrations for services.

The successful solution called for a combination of Tyfo® Web Composite and Tyfo SEH 1/4"(6.4mm Dia)x6"(152.4mm) Composite Anchors.

The work area was tented off and a dust filtering extract system used to minimize any inconvenience to users of the car park below the floor being strengthened. The mechanical prep including removal of finishing plaster, grinding the concrete surface and drilling the anchors for the composite anchors was completed outside normal work hours do minimize noise disruption to the tenants of the space above.

The FYFE patented standard glass anchors were installed at 300mm centres with 75mm embedment and 75mm splay.

Negligible additional dead weight was added to the structure, and no usable space was lost.