



## CASE FILE

### Protecting assets in high rise buildings with Belzona® products!

#### The Customers

Various customers and locations throughout Australia

#### The Applications

Various areas and repair sites throughout high rise buildings such as plant room floors, air conditioning chillers and leaking roofs.



Air conditioning chiller before & after...  
What a transformation!



After ▲ Concrete floor ▲ Before



Old leaking roof.



Fully refurbished roof...  
better than new!



Old vinyl  
flooring in  
the plant  
room.



The revived  
plant room  
floor.

#### The Problems

Concrete is vulnerable to attack from abrasion, impact, vibration and chemicals. Because of its porous nature and the weak electronic forces which hold the individual cement crystals together all concrete deteriorates. Such are the problems for plant room floors, stairs, ramps, cool room floors and roofs of high rise buildings.

Air conditioning chillers struggle to meet output demands during hot summer days. Blocked tubes, rust in the system, difficulties in water balance are all common problems.

#### The Products Used

Belzona® 4111 Magma Quartz  
Rezicoat 2-part Epoxy Flooring  
Reziflex Hi-Build

#### The Substrate

The featured images involve various concrete and metal substrates.

#### The Application Methods

Each situation varies in application method requirements. In all instances, the substrates are methodically prepared to ensure maximum bonding of the product. Preparation can include grit blasting, high pressure water cleaning and conditioning with Belzona product. Under controlled conditions, the appropriate product is applied and allowed to cure for the required time before going back into operation.

An ideal refurbishment involves transporting the substrate to the workshop to conduct the repair. In the instances of this case study, high rise buildings are challenging repair sites given the access, location, consideration of tenants and crucial OHS factors. With the expertise of trained Belzona personnel, these works are carried out successfully, and Rezitech guarantees this work for FIVE years!