

SAFETY ALERT



Australian Elevators
Association Limited

Lifting beam not installed correctly by builder

What Happened?

A member companies mechanics were preparing their equipment to begin installation from a working deck. The shaft wall was constructed using permanent polymer formwork (DINCELL®) filled with concrete.

The mechanics' previous experience with this type of formwork system led them to be extra diligent in their checks of the area beneath the beams which revealed no concrete supporting the beam.

The mechanics stopped work immediately and informed the builder to rectify.

Prevention:

The mechanics were wary of the issues with the formwork from previous experience.

The builder carried out rectification works

1. Filled the void with a specialized concrete grout,
2. Installed a shelf angle with extra-long tru-bolts into the wall
3. Certified the beams were installed correctly to take the 2500kg load.

Recommendations:

1. Ensure you have certification of the lifting points prior to commencing shaft work
2. When working on a site with permanent polymer formwork, verify the area under lifting beams is solid with no void beneath the surface either by drilling or checking the area is solid.

Concrete Missing Below Beams



Rectification works



Dated: February 2019