

**CUSTOMER:** Teichmann Structures  
**PROJECT NAME:** Mamba Cement  
**APPLICATION:** Repair of Concrete Silos

**PROJECT DESCRIPTION**

SkyJacks was contracted by Teichmann Structures to install Temporary Suspended Platforms (TSP’s) at the Mamba Cement plant in Thabazimbi to provide access to carry out repair work on the concrete silos.

The loading on the roof of the silo had to be taken into consideration as the concrete slab was only 250mm to 300mm thick. Loading calculations were done and the suspension points were precisely spaced to ensure that the Mine Engineer was comfortable that the roof slab would not be overloaded.

A key motivation for the contractor to use TSP’s was the significantly fewer manhours required to install the platforms compared to scaffolding the silos which would have been much more labour intensive. This factor was important taking into consideration the high summertime ambient temperatures in Thabazimbi. All platforms were installed by a 5-man team in one shift which not only meant lower cost but also gave the contractor an additional week to carry out the repair work on the silo.

Vertical Run	25 m
Type of Platform	4 m Platforms
Rated Load	360kg – 3 persons
Type of Hoist	2 x Alpha’s 800
Standards	SANS 51808, SANS 10295-2, SANS 10162-1
Type of Suspension System	Counterweight

