

CUSTOMER: Structural Maintenance Special Services
PROJECT NAME: D22 Buffer Silo Repair
APPLICATION: Concrete Repair

PROJECT DESCRIPTION

SkyJacks were contracted by Structural Maintenance Special Services to provide a suspended access solution that would allow them to carry out inspections and repair work on the D22 Storage Buffer Silo at Sappi's Ngodwana Mill near Nelspruit. The challenge was to provide access from top to bottom, right around the buffer within a shortened timeframe.

A soft-shell floating roof with a steep incline did not allow a standard counterweight suspension system to be used, making the safe anchoring the suspended platforms challenging. A variety of suspensions systems were used including trestles, slings and custom designed parapet outriggers that distributed the imposed loads onto the parapet wall. All suspension systems had to be approved by the project engineer prior to be used on the silo.

A four-man team installed five 4m radiused platforms over 2 days and remained on site for the duration of the project to move platforms as required by the contractor. Both the contractor and Sappi employees were trained as TSP Operators by SkyJacks.

Vertical Run	40m
Type of Platform	4m Radius 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	Slings, Trestles and Custom Parapet Brackets

